

SEARCH REQUEST FORM

Requestor's Name: _____ Serial Number: _____
Date: _____ Phone: _____ Art Unit: _____

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

STAFF USE ONLY

Date completed: 10-20-03
Searcher: Beverly E 4954
Terminal time: 20
Elapsed time: _____
CPU time: _____
Total time: 23
Number of Searches: _____
Number of Databases: 1

Search Site
____ STIC
____ CM-1
____ Pre-S
Type of Search
____ N.A. Sequence
____ A.A. Sequence
____ Structure
____ Bibliographic

Vendors
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____ Dialog
____ APS
____ Geninfo
____ SDC
____ DARC/Questel
____ Other CGN

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 16, 2003, 09:24:16 ; Search time 277 Seconds
(without alignments)
8602.987 Million cell updates/sec

Title: US-09-129-603-1

Perfect score: 5399

Sequence: 1 agaatcttcacatctcgaaa.....tgataacatcttatgaaat 5399

Scoring table: IDENTITY_NJC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 113956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

1: /cgn2_6/ptodata/2/ina/5A COMB.seq:*

2: /cgn2_6/ptodata/2/ina/5P COMB.seq:*

3: /cgn2_6/ptodata/2/ina/6A COMB.seq:*

4: /cgn2_6/ptodata/2/ina/6B COMB.seq:*

5: /cgn2_6/ptodata/2/ina/PCFJS COMB.seq:*

6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1314.2	24.3	5319	2	US-08-861-464-7
2	1314.2	24.3	5319	2	US-08-396-001-7
3	1314.2	24.3	5319	3	US-09-323-433A-7
4	728.6	13.5	734	4	US-03-702-705-1431
5	728.6	13.5	734	4	US-09-736-457-1431
6	206.6	3.8	43676	3	US-09-356-952-12
7	106	2.0	4000	2	US-08-861-464-5
8	106	2.0	4000	2	US-08-396-001-5
9	106	2.0	4000	3	US-09-323-433A-5
10	67.4	1.2	292	4	US-09-313-294A-962
11	67.4	1.2	728	1	US-09-232-463-14
12	56	1.0	19124	2	US-08-487-828B-13
13	55.8	1.0	3455	2	US-08-861-464-3
14	55.8	1.0	3455	2	US-08-396-001-3
15	55.8	1.0	3455	3	US-09-323-433A-3
16	54.8	1.0	20674	4	US-09-641-638-651
17	54	1.0	53332	4	US-09-801-861-3
18	52	1.0	10640	4	US-09-417-485D-5
19	51.8	1.0	8920	3	US-08-446-855A-1
20	51.8	1.0	8920	3	US-09-150-741-1
21	51.4	1.0	3489	2	US-08-728-323A-1
22	51.4	1.0	3489	4	US-09-298-568-1
23	51.4	1.0	3489	4	US-09-410-399-1
24	51.4	1.0	32207	2	US-08-770-379-20
25	51.4	1.0	32207	3	US-08-757-669A-20
26	51.4	1.0	32207	4	US-09-230-375A-20
27	49	0.9	4185	4	US-09-417-485D-7

C 28 48 0.9 2793 1 US-08-209-747-1 Sequence 1, Appli

C 29 48 0.9 2793 1 US-08-458-298-1 Sequence 1, Appli

C 30 47.6 0.9 8063 4 US-09-091-952A-6 Sequence 6, Appli

C 31 47.6 0.9 20674 4 US-09-641-638-651 Sequence 158, App

C 32 46.6 0.9 1374 4 US-09-601-198-158 Sequence 105, App

C 33 45.8 0.8 1010 4 US-09-569-098A-105 Patent No. 5231168

C 34 45.8 0.8 3095 6 5231168-1 Sequence 9, Appli

C 35 45.4 0.8 2190 4 US-09-625-188-19 Sequence 8, Appli

C 36 45.2 0.8 1511 1 US-07-991-867B-8 Sequence 8, Appli

C 37 45.2 0.8 1511 1 US-08-107-755A-8 Sequence 8, Appli

C 38 45.2 0.8 1511 2 US-08-544-332-8 Sequence 8, Appli

C 39 45.2 0.8 1511 4 US-09-370-861A-8 Sequence 3, Appli

C 40 45.2 0.8 1988 3 US-09-402-002-3 Sequence 2, Appli

C 41 45.2 0.8 5852 1 US-07-867-106-2 Sequence 3, Appli

C 42 45 0.8 657 4 US-09-527-345-3 Sequence 5, Appli

C 43 44.6 0.8 10640 4 US-09-417-485D-5 Sequence 1, Appli

C 44 44.6 0.8 162450 4 US-09-345-882-1 Sequence 1, Appli

C 45 44.2 0.8 1689 1 US-07-991-867B-41 Sequence 41, Appli

ALIGNMENTS

RESULT 1

US-08-861-464-7

Sequence 7, Application US/08561464

Patent No. 5874210

GENERAL INFORMATION:

APPLICANT: Guarente, Leonard P.

APPLICANT: Austriaco Jr., Nicancr

APPLICANT: Kennedy, Brian

TITLE OF INVENTION: Genes Determining Cellular Senescence

TITLE OF INVENTION: in Yeast

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESSES:

ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Two Militia Drive

CITY: Lexington

STATE: MA

COUNTRY: USA

ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/861.464

FILING DATE: 22-MAY-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/396,001

FILING DATE: 28-FEB-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US94/09351

FILING DATE: 15-JUG-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/107,408

FILING DATE: 16-AUG-1993

ATTORNEY/AGENT INFORMATION:

NAME: Gratahar, Patricia

REGISTRATION NUMBER: 32,227

REFERENCE/POCKET NUMBER: MIT-6408A22

TELECOMMUNICATION INFORMATION:

TELEPHONE: 781-861-6240

TELEFAX: 781-861-9540

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 539 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE:					
:	NAME/KEY:	CDS			
:	LOCATION:	57..3614			
:	FEATURE:				
:	NAME/KEY:	mat_peptide			
:	LOCATION:	57..3614			
US-06-862-464-7					
Query Match: 24.3%; Score 1314.2; DB 2; Length 5319;					
Best Local Similarity 71.4%; Pred. No. 0;					
Matches 1816; Conservative 0; Mismatches 688; Indels 39; Gaps 5;					
QY	30	TGATGCCCATGGAACAAAGTTGGTCTCGAATCCTTACAGTCTTGACTACTTCCTGGTGTAAATCAGG	89		
DB	1096	TSGACCCCAATGGAACAATGTGGGCATGAGGCTCTTCAGTCTTGATTATTCAGGCACCAGG	1155		
QY	90	TACCAATGGACTCTTCAGAGAGCTACCTGTAGGCTTTTTGACTACAATTCACAGCAGCAGC	149		
DB	1156	TACCTGTGGACTCAGCAGCAGCAACTGTGGACCTTTTGACTACATCTCACACACAGC	1215		
QY	150	CTTTTCAGAGGACTAATGCACTAACAGTTAACTGCAGGTTCACACAGCAAT	209		
DB	1216	TGTTCCAAGACTAATAGCTGCTGCTCCAGCAGITGAAGCTGTCACGACAGCAGT	1275		
QY	210	ATGCATTAGCAGAGCTCAGACGCCACATATAGCTGGTGTATCTCAGCAGGCGCTTGCCTC	289		
DB	1276	ATGCACTGGCAGCTGCTCATCAGCCGCACAT-----CGGTTTAGCTC	1317		
QY	270	CAGCTGCCATTGTGCCAAATCCATACATTAATTAGTGCTGCTCTCCAGGACCGATCCGT	329		
DB	1318	CCGCTGCGTTGTGCCCAATCCATCATCATCAGCGCTGCTCCCCCAGGACAGCAGCCT	1377		
QY	330	ATACTGCAGCAGGATTSGETGTCAGSAGCTACATTAGCAGGTCCAGCAGTGGTTCACGCTC	389		
DB	1378	ACA---CAGCTGGATTGGCTGCAGCAGCGACACTAGSCCAGCTGTGGTCCCTCACCAAGT	1434		
QY	390	AQTATTACGGCGTTCCATAGGGGGTGATCCAGCCAACTATTTCAGCAGCAA-----G	443		
DB	1435	ATTATGGAGTTACTCCCTGGGGAGTCTACCTGCCAGTCTTTTCAGCAGCAAGCTGCGG	1494		
QY	444	CTGCAGCTCGGCGAAATACACAGCCAGTCAGCAAGCAGCATCACAGCTCAGCCTGGAC	503		
DB	1495	CTGCCGCTCAGCAACTAATTCAGCTAATCAACAGACCCACACAGCTTCAGCAAGGAC	1554		
QY	504	AGCAACAGGTTCTCCGTGTGGAGCAGGTCAAGCGTCTCTTTACTTCCCAAATCAGCGTCAAG	563		
DB	1555	AGCAGCAGGTTCTCCGTGGAGGAGCCAGCCACAGCTCTTTGACCCCAACAGCAACCAGC	1614		
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DB	1615	AGGGACAGCAAAACGGATCCCTTTSTGGCAGCTCAGCAGTGAATTTTGCCCTTGCATTTG	1674		
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DB	1675	GACAGGCTCTGGCAGCAGGCAATGCCAGTTATCCGGTGTGGGTCTCTGCTGCTTACTATG	1734		
QY	684	ATCAGACTGTGCTCTTAGTGGTTTGGCCCTTGGAGCAAGGACTGGCCCTTSGAGCTCCAGTTT	743		
DB	1735	ACCAAACTGGTGCCCTGTAGTCAATGACGCGCGAGAAATGCTCTTSGAGCTCTGTTCT	1794		
QY	744	GGTTAATGGCTCAACACCTGTTTAAATTAGTTTCAGCAGCAGCAGCAA-----GCTG	794		
DB	1795	GACTGTAGCTCTCTGCCCAAGTCACTAATTAGTTTCTCAGCTGCACAGAGAGCTGTGTGAG	1854		
QY	795	CAGCAGCAGCAGCAGCTGGAGGAACTGCAAGTAGCCTTACAGCAGCAGCAAAATGGTCTCT	854		
DB	1855	CAGCCCAGCTTCAGCAAAATGGAGAGCTCGTGGTCTTGTCTGGAAACAAAAATGGAGCAT	1914		
QY	855	TTTGGCCCAATTGGCACTCAGCCCAACACAG--CAGCAGCAACAGCAGCCAGCACTAATC	911		
DB	1915	TTCGCCCTTTAGGAACACAGCAGCCTCAGSCCAGAGCCCGCAGCAGCAGCCCAATACAAAC	1974		
QY	912	TGCAATCTAATTCATTTTATGGAAGCAGTTCTTTTGACTAATAGCTCCAGAGTAGTCTCT	971		

1975 TGGCATCCAGTCTCTTCTACGGCAACACTCTCTGAACAGCAATTCACAGAGAGCTCCC 2034

1972 TAATTTCTCATGAGCCCTGGTCAACCTGGAAATACACTCTCTGGCTTTGGAAGTGGTAAT 1031

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1032 CTATCGGTCCTCTATAGGCTCAGCCCTCAGTGGATTTGGTTTCATCAGTTGGCAGTTCTG 1091

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1092 CAGGTAGTAGTGGCAAGAGAGAGAGTCTCTATCTACTAGCTCTGACTTGTACAAAGAT 1151

2155 AGCTGGGAGTGGCTCCGCGCTGACTCTCTGACTGGCAGAGTGACTTTATTAAGAGGA 2214

1152 CTATAGTAGAGCTAGCACTCAGTGGGCAACCACTTATACAAATAGTCTGGATTTCTCTCT 1211

2215 CATCGAGCAGGCTTGACCTCAATTTGGACACAGTTTATTAACGGCTTGACTTTCTCTCT 2274

1212 CTCCAAAGTCCAAATAGGCAATCCCTCTCCCAAGCCAACTCCAGAGCAATTCATTACGCCAC 1271

2275 CTCTCGGACCTGGGCAATGCTCTCTCTAGTCAGGACAGAGCAATTCACAGACCCAC 2334

1272 CCGCATCACTTCTATCACTAGTGGATCTCTCACTCCAGTTTGCATTTAGAGAGACTGACAAATG 1331

2335 CTCTCTCCCTCTCTCTCACTGGATCTCTCTCTCAAGCTTAAACCTGGGAGGACTCACGAATG 2394

1332 GTATGGTGGATATCTCTGCAGCACTCTGGAGCAGAGCAAAATATCGAAGTCTCTCAA 1391

2395 GCGGTGGGAAGATCATCTCTCTCTCTCAGGCGCTGAACCAAGTACCGAGTCGACAGCA 2454

1392 GCATCTCCAGTCTATTTAGTCTCCAGCAGCCAGCTCTTCTCTCTCTCCCGGCTTCGGTATA 1451

2455 GCGCTCCAGCTCTCTCAGCCGAGCAGCACTCTTTCTCTCTCTCTCTCTCTCTCTCTCTCT 2514

1452 ATAGGCTGATATATATGCTCTCTGCGGAGTAGATATTTGGAAGATTTGGAACAACACC 1511

2515 GAATGTCTGATGTCTATGCTCTCTGCGAGGAGCAGGCTTTTGGAAATTTTCCAAACAACC 2574

1512 GCTTCCCAAGCTTCAGGCTAGAGACTGATTTGGACATATAGTTCAGTTTCTCAAGACC 1571

2575 GGTACGCCATTTACAACTCGGGAGATTCCTGAGCACTAATATGGAAATTTTCCCAAGACC 2634

1572 AGCATGGTTCTAGATCTCATACACAAAACTAGAGAGAGCTACTCCAGCTGAGGCAAGA 1631

2635 AGCATGGGTCAGATCTCATTCAGCTGAACCTGGAGCGTCCACACCAAGCTGAGCGCCAGC 2694

1632 TGGTATTTATGAATTTCTGCAAGCAGCTTATCAATTAATGACTGATGCTTTTGGCAACT 1691

2695 TTGCTCTCAATGAATCTCTCAAGCTGCTTCCCAACTCATGCTGGATGTGTGTTGGTAAT 2754

1692 ATGCTATACAGAAGTTTGTAGTTTGGAGTCTGGATCAAAATATAGCCCTGGCTACTC 1751

2755 AGCTCATTCAGAGATTTCTTGAATTTGCGAGTCTTGAACAGCAAGCTGGCTTTGGCAGAC 2814

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2815 GGATTCGAGGCCATGCTCTGTCAATGSCACTACAGATGTATGGCTGCGCTGTATTCCAGA 2874

1812 AAGCATTAGAATCTATTTCTTCTGACGAGCAGTGCAATTGGTAAAGAGCTGGATGGTC 1871

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1872 ATGTGCTCAATGTGTGCAAGATTCAGAATGGAAACCATGCTCTTACAAAATATATCGAAT 1931

2935 ATGCTTGGAGCTGTGTGAAGAATCAGATGGCAATCACCTGGTTCAGAAATATGCAATTGAAT 2994

1932 GTGTTCAGCCACATCACTACAGTTTCATTCATTCGCTTTCAAGGAGCAAGCTATTTCGCG 1991

2995 GTGTACAGCCCAATCTTTTSCAATTTATCATGATGCGCTTTAAGGACACAGTATTTCCT 3054

1992 TTTCAACTCATCTCTTATGGCTCGAGAGTAATTCAGGCAATCTCTAGAGCATTTGCATCGAG 2051

3055 TATCCACACATCCTTATGCTCCGAGTGATTCAGAGAACTCCTGGAGCACTGCTCCCTG 3114
3056 AACAGACCTTACTTCTTAGAAGAACTCCACAACTACAGAGAGTGGTACAGGATC 2111
3115 ACCAGACACTCCTTATTTAGAGGAGCTTCCAGCAGCACAGAGAGCTTGTACAGGATC 3174
2112 AGTATGGCAATATGTTATTCAGCATGTACTGGAACAGCTGCTGAGTGAAGACAGCA 2171
2175 AATATGGAATATGTAATCCACATGTACTGGAGCAGCTGCTTGGAGTAAAGCA 3234
2172 AAATGTTTCCGAATCAGGGAAAGTATTTAGCCCTGAGTCAACACAAATTTGCAACA 2231
3235 AATTCAGCAAAATCCAGAGCAATGTACTTGTATGAGTCAGACAAATTTGCAAGCA 3294
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3295 ATSTTGTGGAAGTGTGTACTTACGCTCAGTACAGGAGCGCTGTGTCATCGATG 3354
2292 AGTGTGCTGCGAGATGATGCTCTCAGAGTGCCTTATACACCATGATGAGGAGCCAGT 2351
3355 AGTGTGCAACATGAACAGAGCTGCCACAGTGCCTTATACACCATGATGAGGAGCCAGT 3414
2352 ATGCCAATACGTGTTCAAAAGATGATGATGCTGACCTGCTCAGAGAAAGATAA 2411
3415 ATGCCAATACGTGTTCCAGAGATGATGATGCTGCGGAGCGCCAGCCAGCGAGATCG 3474
2412 TCATGACAGAGATTCAGCTCAGATTTACTTCTTGGGAAATACACATACAGGAGAGCAT 2471
3475 TCATGATAGATCCGCGCCCATCGCAACTCTTGTAAGTACACCTATGCGCAAGCACA 3534
2472 TACTGCCAAGTTGAAAGATTTATTCAGAGATAGCCCGAGCTTACGAGCTTGGAG 2531
3535 TTCTGCCAGCTGGAGAGTACTCATGAGAACGCTGTTGACTTGGGCGCACTGTG 3594
2532 GACCCACAAATGGAATGCTGTAA 2554
3595 GCGCCCTTATGTTACTCTGA 3617

RESULT 2

US-08-396-001-7
Sequence 7, Application US/08396001
Patent No. 59:9618
GENERAL INFORMATION:
APPLICANT: Guarente, Leonard P.
APPLICANT: Austriaco Jr., Nicanor
APPLICANT: Claus, James
APPLICANT: Cole, Francesca
APPLICANT: Kennedy, Brian
TITLE OF INVENTION: Genes Determining Cellular Senescence in
TITLE OF INVENTION: Yeast
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/396,001
FILING DATE: 29-FEB-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: MIT-6408A2
TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-961-6240
TELEFAX: 617-661-9540
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 5319 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 57..3614
US-08-396-001-7
Query Match 24.3%; Score 1314.2; DB 2; Length 5319;
Best Local Similarity 71.4%; Pred. No. 0;
Matches 1816; Conservative 0; Mismatches 688; Indels 39; Gaps 5;
QY 30 TGGATGCCATGGACAAAGTTGGTCTGGAATCCTTACAGTTTGACTATCTCTGGTAATCAGG 89
DB 1396 TGGACCCCATGGAAACATGTGGGATGGAGCCTCTTCAGTTTGATTATTCAGGACGAGG 1155
QY 90 TACCAATGGACTCTTCAGGAGCTACTGTAGGCTTTTGTACTACAATTCCTCAGCAGCAGC 149
DB 1156 TACTGTGGACTCAGCAGCAGCACTGTGGACCTTTTGTACTACAATTCCTCAGCAGCAGC 1215
QY 150 TCCTTCAGAGACTTANTGCACTAACAGTTTCAAAGTTTAACTGCACTGCACTGCACTGCACT 209
DB 1216 TGTTCGAAGACCTTAAATGCGCTTCTGTCAGCAGCTTACAGCTGCTCAGCAGCAGCT 1275
QY 210 ATGCATTAGCAGCAGCTCAGCAGCAGCATATAGTGGTGTATCTCAGCAGCAGCTTCTC 269
DB 1276 ATGCATTAGCAGCTGCTCACTCAGCAGCAGCAT-----GGTTTACTC 1317
QY 270 CAGTGTGCTTTGTGCAAAATCCATACATTTATAGTGTGCTCTCCAGGAGCAGATCGT 329
DB 1318 CCGTGTGCTTTGTGCAAAATCCATACATTCAGCAGCTGCTCTCCAGGAGCAGCAGCT 1377
QY 330 ATACTGAGCAGAGTATGCTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCACT 399
DB 1378 ACA---CAGTGTGATTTGCTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCACT 1434
QY 390 AGTATTACGGCTTCCATGGGGGTGTATCCAGCACTTATTTTACAGCAAA-----G 443
DB 1435 ATTTAGGAGTTACTTCTGCGGAGTCTACCTGCGAGTCTTTCCAGCAGCAGCTGCGG 1494
QY 444 CTGAGCTGCGGCAAAATAACACAGCAGCTGCACTGCACTGCACTGCACTGCACTGCACT 503
DB 1495 CTGCGCTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCACT 1554
QY 504 AGCAACAGCTTCTGCTGCTGAGCAGCTGAGCTGCTTCTTACTTCCCAATGAGGCTGAGC 563
DB 1555 AGCAGCAGCTTCTGCTGAGCAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGC 1614
QY 564 AAGGCGCAGCAGCAAGTACCTTCCGCGAGCTGAGCAGCAAAATCCCAACTTGTGCTTTG 623
DB 1615 AGGACAGCAAAACGATCCCTTTGCGAGCTGAGCAGCTGAGCTGAGCTGAGCTGAGCT 1674
QY 624 GTCAGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 683
DB 1675 GACAAGGCTTGGCAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1734
QY 684 ATCAGCTGCTGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 743
DB 1735 ACCAACTGCTGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1794
QY 744 GGTATAGCTTCCAGCACTGCTTTTATTTATTTATTTATTTATTTATTTATTTATTTAT 794
DB 1795 GACTGTAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 854
QY 795 CAGCAGCAGCAGCAGCTGGAGCACTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 854
DB 1855 CAGCGGAGCTTCAAGCAAAATGGAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1914

NAME/KEY: CDS									
LOCATION: (57) ... (3614)									
OTHER INFORMATION: D43951									
US-09-323-433A-7									
Query Match									
Best Local Similarity 71.4%; Pred. No. 0;									
Matches 1816; Conservative 0; Mismatches 698; Indels 39; Gaps 5;									
24.3%; Score 1314.2; DB 3; Length 5319;									
QY	30	TGATGCCATGGAACAAGTTGGCTGGAACTCTTACAGTTTGACTATCTCTGGTAATCAGG	89						
DB	1096	TGACCCCATGGAACATGTGGCATGGAGCTCTCAGTTTGATATTACAGCAACGAG	1155						
QY	90	TACCAATGACTCTTCAGAGACTATGTAGGCTTTTGACTACAAATCCACAGAGASC	149						
DB	1156	TACCTGTGACTACAGCAGCAAACTGTGGACTTTTGACTACAAATCTCAACACAGC	1215						
QY	150	TCCTTCAGAGGACTAATGCACTAACAGTCAACAGTTAACTCAGCTCAACAGCAGCAAT	209						
DB	1216	TGTTCCAAAGACCTAATGGCTTGTGTCCAGCAGTTGACAGCTCTCAGCAGCAGCACT	1275						
QY	210	ATGCAATTAGCAGCAGCTCAGCAGCCACATATAGCTGGTGTATCTCAGCAGGCTTGGTC	269						
DB	1276	ATGCACTGGCAGCTCTCATCAGCCGACAT	1312						
QY	270	CAGCTGCATTTGTGCAATTCATACATATATAGTGTGTGTGTGTGTGTGTGTGTGTGT	329						
DB	1318	CGCTGCGCTTGTGCGCAATTCATACATCATCAGGCTGTCTCCCTCAGGAGCAGCAGCT	1377						
QY	330	ATACTGCAGCAGATTTGGCTGCAGCAGCTACATTAGCAGTCCAGCAGTGTCTCCAGCTC	359						
DB	1378	ACA---CAGCTGGATTGGTTCAGCAGCAGCAGTACTAGGCCAGCTGTGTCTCTCAGCAGT	1434						
QY	390	AGTATTACGCGCTTCCATGGGCGGTGTATCCAGCCAACTTATTCAGCAGCAA-----G	443						
DB	1435	ATTATGGAGTTACTCTCTGGGAGCTACCTCTGCCAGTCTTCTCCAGCAGCAGCTCCG	1494						
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DB	1495	CTGCCGCTCGCAGCACTAATTCAGCTAATCAACAGCAGCAGCAGCAGCTCAGCAGCAG	1554						
QY	504	AGCAACAGCTTCTCGTGTGGAGCAGGTTCACGCTCTTACTCCCAATCAGGCTCAGC	563						
DB	1555	ASCACAGCTTCTCGTGTGGAGCAGCAGCAGCAGCTTGTGCCCAAAACAGCAGCAGC	1614						
QY	564	AAGGCAGCAGCAAGCAGCAATCACTTGGCGCAGCTGCAGCAGCAAACTCCAACTTGG	623						
DB	1615	AGGGACAGCAACCGATCCCTTGTGGCAGCTGCAGCAGTGAATCTGCCCTTGCATTG	1674						
QY	624	GTGAGGCTTGTGCTTGGCATGCCAGGCTATCAGTACTAGCTCAGCTGCTATTATG	683						
DB	1675	GACAAGGCTGGCAGCAGCAGTGCACAGTTATCCCGTGTGTGCTCTGCTGCTTACTATG	1734						
QY	684	ATCAGACTGGTGGCTTAGTGGTGGCCCTGGAGCAGGACTGGCTTGGAGCTCCAGTTC	743						
DB	1735	ACCAAACTGGTGGCTTGTAGTGAATGAGCGCGAGAAATGGTCTGGAGCTCTGCTGTC	1794						
QY	744	GGTTAATGGCTCCAAACACTGTTTAAATTAATTAATTAATTAATTAATTAATTAATTA	794						
DB	1795	GACTTGTAGCTCTCTGCCAGCTCATCATTTAGTTCTCTCAGCTGCACAGCAGCTGTGG	1854						
QY	795	CAGCAGCAGCAGCTGGAGCACTGGCAAGTAGCTTACAGGAGCAGCAATGTCTGT	854						
DB	1855	CAGCCAGCTTCAGCAAAATGGAGCAGCTGGTGTCTGCTGCAACCAAAATGGACCAT	1914						
QY	855	TTCCGCCAATTTGCACTGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC	911						
DB	1915	TTGCCCTTTAGCAACACAGCAGCTTCAGCCCGAGCCCGCAGCAGCAGCAGCAGCAGC	1974						
QY	912	TGCAATCTAATTAATTTTATGGAAGCAGTTCTTTGACTAATAGCTCCAGAGTAGTTCT	971						
DB	1975	TGGCATCCAGTCTCTCTACGGCAACACTCTCTGACAGCAATTCACAGCAGCAGCTCC	2034						
QY	972	TATTTCTCATGAGCTGTCAACCTGGAACTACATCTCTTGGCTTTGGAGTGGTAACT	1031						
DB	2035	TCTCTCCCAGGCTCTGCCAGCCTGCCAACACATCTTTGGGATTCGGAAGAGCAGTT	2094						
QY	1032	CTTTGGGTGCTGTATAGGCTCAGCCCTCAGTGGATTTGGTTCAATCAGTTGGCAGTTCTG	1091						
DB	2095	CTCTGGCGCCACCCCTGGGATCCGCCCTTGGAGGTTTGGAAACAGCAGTTGCAACTCCA	2154						
QY	1092	CAAGTAGTAGTGCAACAGGAGAGAGTCTTCTACTACTAGCTCTGACTCTGACTGTAACA	1151						
DB	2155	ACACTGGCAGTGGCTCCGCCCTGACTCCCTGACTGGCAGCAGTGAACCTTTAAGAGGA	2214						
QY	1152	CTAGTACAGCTAGCAGCCATAGGGCAACCATTTTACAAATAGTCTGGGATTTCTCTCT	1211						
DB	2215	CATCGAGCAGCTTGACCCCATTTGGACACAGTTTATAACGSCCTTAGTTTCTCTCTCT	2274						
QY	1212	CTCCAACTCAATAGSCATGCCCTGTGCCAAGCCAAACTCCAGGACATTCACTTACGCCAC	1271						
DB	2275	CTCTTGACCCCTGGGATGCCCTCCCTAGTCAGGACCCAGGACATTCACAGACACAC	2334						
QY	1272	CGCATCAGCTTTCATCAGATGATTCCTCATCTCCASTTTGCAATTTAGGAGGACTGACAA	1331						
DB	2335	CTCTTCCCTCTTTCACATGATCTCTCTCAAGCTTAAACCTGGGAGGACTCAGCAATG	2394						
QY	1332	GTAGTGTGAGATATCTGTGACACCTGTGACAGAGCAGCAAAATATCGAAGTCTTCAA	1391						
DB	2395	GCAGTGAAGATACATCTCTGTCTCTCAGGCGCTGAGCCAGTACCGCAGTGCAGCA	2454						
QY	1392	GCACTTCCAGCTATTATAGTCCAGCAGCCAGCTCTTCTCTCTCTCTCTCTCTCTCTCT	1451						
DB	2455	GGGCTCCAGCCCTTCCAGCCGAGCAGCAGCTCTTCTCTCTCTCTCTCTCTCTCTCTCT	2514						
QY	1452	ATAGTCTGATATTTATGCTCTTGGCCGCACTAGATTTATGGAGATTTGAGAAACAGC	1511						
DB	2515	GAATGTCTGATGCTATGCTCTTGGCAGGAGCAGCTTTTGAAGATTTTGAAGATTTT	2574						
QY	1512	GCTTCCCAAACTTACAGCTTAGAGCTTGAATGACATATAGTGTGATTTCTCAAGACC	1571						
DB	2575	GGTACCCCAATTTACAACTGGGAGATTTCTGACATATAATGGATTTTCCCAAGACC	2634						
QY	1572	AGCATGTTCTTAGATTCATACAGCAAAATACAGAGAGCTTCTCCAGCTGAGCAGCA	1631						
DB	2635	AGCATGGTCCAGATTCATTCAGCTGAACTGGAGCTGCCACACAGCTCAGCGCCAGC	2694						
QY	1632	TGGTATTATTAAGAAATCTCAGAGCAGCTTCAATTAATGACTGTATTTTGGCAACT	1691						
DB	2695	TGTCTTCAATGAAATCTCCAGCTCTACCAACTCATGCTGGATGTGTGTGGTAAAT	2754						
QY	1692	ATGTTATACAGAGTGTCTTGGTGTGGAGCTGTGATCAAAATTAGCCTGGCTACTC	1751						
DB	2755	ACGTCATTGAGAGTCTTTGAAATTTGGAGCTTTGAAACAGAGCTGGCTTTGGCAGAA	2814						
QY	1752	GTATTCGTGTCTATGCTTACCCCTTAGCCTTGCAGATGTATGGCTGGCGCTTATTCAGA	1811						
DB	2815	GGATTCAGGCCAGCTCTGTGTAATGGCACTACAGATGTATGGCTGGCTGTATTCAGAA	2874						
QY	1812	AAGCATTAGAATCTATTTCTTTCAGCAGCAGAGTGAATGGTAAAGAGCTGTATGGTC	1871						
DB	2875	AAGCTCTGAGTATTCTCTTCAGCAGCAGAGATGAGATGGTTCGGGAACTAGATGGCC	2934						
QY	1872	ATGTGCTCAATGTGTGAAGATCAGAAATGGAACTGTTGTACAAATATGATTCGAAT	1931						
DB	2935	ATGTCTTGAAGTGTGAAGATCAGAAATGGCAATCAGCTGGTTTCAAAATATGCAAT	2994						
QY	1932	CTGTTCAGCCACAGCTCAGCTTCACTTCACTTCACTTCACTTCACTTCACTTCACTT	1991						
DB	2995	CTGTACAGCCAGCTCTTSCAATTTATCATCGATGGCTTAAAGGACAGGATTTTCCCT	3054						
QY	1992	TTCATCTCATCTTATTTAGGTGAGAGTAAATCAGCCCATCTCTAGAGCATTTGCACTC	3051						
DB	3055	TATCCACATCTCTTATTTGGCTGGCGAGTATTACAGAAATCTCTGGAGCAGCTGTCT	3114						
QY	2052	AACAGACCTTACCTATCTTAGAGAACTCCCAACATACAGAGCAGCTTGGTACAGATC	2111						

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Db 3115 ACCAGACACTCCCTATTTAGAGAGCTTCCACGACACACAGAGCAGCTGTACAGGATC 3174
QY 2:12 AGTATGGCATTATGTTATTCACGATGTACTGGAACACCGTGCACCTGAAGACAGAGCA 2:71
Db 3175 AATCGGAAATATGTAATCCAAACATGTACTGGAGCAGCGTCTCTGAGGTAAAGCA 3234
QY 2:72 AAATTGTTCCGAAATCAGGGGAAGGTTTATGCCCTGAGTCAACACAAATTTGCCAGCA 2231
Db 3235 AATTGTAGCAGAAATCCGAGGCAATGTACTTGTATTGAGTCAGCACAAATTTGCCAGCA 3294
QY 2232 ATGTATAGAAAAGTGTGTACTCTGTCCTCCCTGCTGAGAGAGCTTTACTGNTTACG 2291
Db 3295 ATGTTGTGGAAGTGTGTACTCACGCCCTCAAGTACGGAGCGCGTGTGCTCATCGATG 3354
QY 2292 AGGTTGCTCCAGAAATGATGGTCCCTCACAGTCCCTTACACACCATGATGAAGGACCAT 2351
Db 3355 AGTGTGCACCATGAACGAGCGTCCGACAGTGCCTTATACACCATGATGAAGGACCAT 3414
QY 2352 ATGCCAATTACGTGTTTCAAAAGATGATTTATGCTGAACTGCTGACAGAAAGATAA 2411
Db 3415 ATGCCAATTACGTGTTTCAAAAGATGATTTATGCTGAACTGCTGACAGAAAGATAA 3474
QY 2412 TCATGACACAGATCGACCTCACATTACTTCTTGGCAATATACATACGGGAGGACATA 2471
Db 3475 TCATGACATAAGTCGGGCCCCACATGCAACTCTCTGTAAGTACACCTATGCGCAAGCA 3534
QY 2472 TACTGGCCAAAGTTGGAAAGATTTATTTGAAGATAGACCGGACCTAGGACCTATTGGAG 2531
Db 3535 TCTGGCCAAAGTTGGAAAGATTTATTTGAAGATAGACCGGACCTAGGACCTATTGGAG 3594
QY 2532 GACCACCAAAATGGAATGCTGTAA 2554
Db 3595 GCCCCCTAATGGTATCATCTGA 3617
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RESULT 4

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US-09-702-705-1431/c
; Sequence 1431, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangor, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedwick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 21021.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1431:
; LENGTH: 734
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-702-705-1431
```

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Query Match 13.5% Score 728.6; DB 4; Length 734;
Best Local Similarity 99.6%; Pred. No. 1.2e-179;
Matches 728; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 3073 AAAGATTAGTTTCTTATTTGATTAATTCACAACTATCTGCAATTAACGAGTAAGTAGA 3132
Db 731 AAAGATTAGTTTCTTATTTGATTAATTCACAACTATCTGCAATTAACGAGTAAGTAGG 672
QY 3133 CAAGATAAAGTGGTTTGAGATGAAGAAGACCTAACATTATTACATAGATGGTGT 3192
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Db 671 CAAGATAAAGTGGTTTGAGATGAAGAAGACCTAACATTATTACAGTAGATGGTGT 612
QY 3193 AATCAAAATCTAGTCCCTTAAATATGCTCTGGCAATGTACAGAAATATTGTATATACTTACA 3252
Db 612 AATCAAAATCTAGTCCCTTAAATATGCTCTGGCAATGTACAGAAATATTGTATATACTTACA 552
QY 3253 TATGTAATTTGTTAAGAGTTAAATACAAAATCATCGGTGACACTTCCAAATTAAGTGCAC 3312
Db 551 TATGTAATTTGTTAAGAGTTAAATACAAAATCATCGGTGACACTTCCAAATTAAGTGCAC 492
QY 3313 AATGGAAGATTTAGTCACTTATTAAGCTTTTCAGTTGCTTGCATATGAGAAAGAGTGA 3372
Db 492 AATGGAAGATTTAGTCACTTATTAAGCTTTTCAGTTGCTTGCATATGAGAAAGAGTGA 432
QY 3373 AATTGTATTTGTTTGGCTTACAGAAATACAGACATGTTTCAAGAGTGTTCAGCTTTAT 3432
Db 432 AATTGTATTTGTTTGGCTTACAGAAATACAGACATGTTTCAAGAGTGTTCAGCTTTAT 372
QY 3433 TTGCTTTTTCATAGAGCGCAGAAAGTAGAGACACAGATAGAGATGAAGAAGGGCCACTGAA 3492
Db 372 TTGCTTTTTCATAGAGCGCAGAAAGTAGAGACACAGATAGAGATGAAGAAGGGCCACTGAA 312
QY 3493 AAGTGAATTTGATAGCTCAGCACTTAAAGCATGATTACATATTCAGATAGCTCTTTTGGT 3552
Db 312 AAGTGAATTTGATAGCTCAGCACTTAAAGCATGATTACATATTCAGATAGCTCTTTTGGT 252
QY 3553 TTCTATAAATATATGCAATGCTGTGTAGTAAATAGATGTAAAGTTACACTTTGAAAGGAA 3612
Db 252 TTCTATAAATATATGCAATGCTGTGTAGTAAATAGATGTAAAGTTACACTTTGAAAGGAA 192
QY 3613 ATCTGTTCGAAATGTTTATATTAAGAAGCTTCTGCTTAAATAGTATGCTTTCTTGGT 3672
Db 192 ATCTGTTCGAAATGTTTATATTAAGAAGCTTCTGCTTAAATAGTATGCTTTCTTGGT 132
QY 3673 TGTACAGGTGACATTTTCAAACTTCATGCTGTAAATGGAATTTGTTTATCTCTTGG 3732
Db 132 TGTACAGGTGACATTTTCAAACTTCATGCTGTAAATGGAATTTGTTTATCTCTTGG 72
QY 3733 GATACATTTGCAATTTAGTGTACATTTACCTCCCTGCTTGGACCTGGCAATATAGT 3792
Db 72 GATACATTTGCAATTTAGTGTACATTTACCTCCCTGCTTGGACCTGGCAATATAGT 12
QY 3793 GTGTATATATG 3803
Db 12 GTGTATATATG
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RESULT 5

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US-09-736-457-1432/c
; Sequence 1431, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangor, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedwick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 21021.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1964
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1431:
; LENGTH: 734
; TYPE: DNA
; ORGANISM: Homo sapien
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US-09-736-457-1431

Query Match 13.5%; Score 728.6; DB 4; Length 734;

Best Local Similarity 99.8%; Pred. No. 1.2e-179;

Matches 728; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3073 AAAGAGTTAGTGTATTTTGATTAATTCACAACTATCATGGAAATACAGAGTAAGTAGA 3132

DB 731 AAAGAGTTAGTGTATTTTGATTAATTCACAACTATCATGGAAATACAGAGTAAGTAGA 672

QY 3133 CAAGATAAAGTGGTTTGAGATGAAAGAACCTTAACATATTATACAGTASATGTGGTTT 3192

DB 671 CAAGATAAAGTGGTTTGAGATGAAAGAACCTTAACATATTATACAGTASATGTGGTTT 612

QY 3193 AATACAAATTAATGCTCCCTTAATAATGCTCTGCAATGTACAGAAATATTTGATATACTTACA 3252

DB 611 AATACAAATTAATGCTCCCTTAATAATGCTCTGCAATGTACAGAAATATTTGATATACTTACA 552

QY 3253 TATGTAATTTGTTAGAGTTAATACAAATCATGCTGACATCTTCCCAATTAAGTGCCT 3312

DB 551 TATGTAATTTGTTAGAGTTAATACAAATCATGCTGACATCTTCCCAATTAAGTGCCT 492

QY 3313 AAATGAAAGTAAAGTCACTTATTAATCTTTTCACTTTTGGTTTGCATGAGAAAGAGTGA 3372

DB 491 AAATGAAAGTAAAGTCACTTATTAATCTTTTCACTTTTGGTTTGCATGAGAAAGAGTGA 432

QY 3373 AATTTGATTTTGTGCTTATAGAAATACAGACATGTTGAGGAAGTGTGAGCTTTAT 3432

DB 431 AATTTGATTTTGTGCTTATAGAAATACAGACATGTTGAGGAAGTGTGAGCTTTAT 372

QY 3433 TTTGCTTTTTCATAGAGGCGAAGTAGGAACAGATAGAGATGAAAGGGGCCACTGAA 3492

DB 371 TTTGCTTTTTCATAGAGGCGAAGTAGGAACAGATAGAGATGAAAGGGGCCACTGAA 312

QY 3493 AAGTGAATTTGATAGTCACTTTTAAGCATGATTACATATTCAGATAGCTCTTTTGT 3552

DB 311 AAGTGAATTTGATAGTCACTTTTAAGCATGATTACATATTCAGATAGCTCTTTTGT 252

QY 3553 TTCTATAATATAGCAATGCTGTGTAGTAATAGATGAAGTTTACATTTGAAAGGAA 3612

DB 251 TTCTATAATATAGCAATGCTGTGTAGTAATAGATGAAGTTTACATTTGAAAGGAA 192

QY 3613 ATCTGCTTTCAATGTTTATATTAAGAGCTTGCATATTAGTATGATGCTTCTTGT 3672

DB 191 ATCTGCTTTCAATGTTTATATTAAGAGCTTGCATATTAGTATGATGCTTCTTGT 132

QY 3673 TGTACAGGTGTACATTTGTAACCTTTCATGCTGTAAATGGAATTTGTTTATCTTTGG 3732

DB 131 TGTACAGGTGTACATTTGTAACCTTTCATGCTGTAAATGGAATTTGTTTATCTTTGG 72

QY 3733 GATACATTTGCAATTTAGTGTACATTTACGTCCTGCTTGTAGCTGGGMAATATAT 3792

DB 71 GATACATTTGCAATTTAGTGTACATTTACGTCCTGCTTGTAGCTGGGMAATATAT 12

QY 3793 GTTGTATAATG 3803

DB 11 GTTGTATAATG 1

RESULT 6

US-09-356-952-12/c

; Sequence 12, Application US/09356952

; Patent No. 6117663

; GENERAL INFORMATION:

; APPLICANT: Bozick-Stodin, Ann

; APPLICANT: Matgarit, S. M.

; APPLICANT: Bor-Soo, Dafna

; APPLICANT: Cole, Philip

; APPLICANT: Kuriyan, John

; TITLE OF INVENTION: A CRYSTAL OF A RAS-SOS COMPLEX AND METHODS OF USE

; TITLE OF INVENTION: THEREOF

; FILE REFERENCE: 600-1-228N

; CURRENT APPLICATION NUMBER: US/09/356,952

; CURRENT FILING DATE: 1999-07-19

; EARLIER APPLICATION NUMBER: 60/093,631

; EARLIER FILING DATE: 1998-07-21

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 12

; LENGTH: 43676

; TYPE: DNA

; ORGANISM: Saccharomyces cerevisiae

US-09-356-952-12

Query Match 3.8%; Score 206.6; DB 3; Length 43676;

Best Local Similarity 53.3%; Pred. No. 7.4e-43;

Matches 530; Conservative 0; Mismatches 429; Indels 36; Gaps 3;

QY 1516 CCCAAACCTTCAGCTTAGAGACTTGTATGGACATATAGTTAGTCTTCTCAAGACACGCA 1575

DB 11790 CTCGACATGTCACTAAAGACACTTTGGCCATCTCTAGAGTTTGCAGAGATCAACA 11731

QY 1576 TGGTTCTAGATCATACAGCAAAACCTAGAGAGAGCTACTCCAGCTGAGCGACAGATGGT 1635

DB 11730 TGGTTCAAGGTTTCATTCAGCCCGAGTTGGCCACCTCCAGCCCTCAGAAAAGAGGATCAT 11671

QY 1636 ATTTAACTGAATCTCGCAGCAGCCTATCAATTAATGACTGATGTTTTTGGCAACTATGT 1695

DB 11670 ATTCATGAAATTCGCGATGACGCTTTGAGCTTTGACAGCATGATTTTGGTAATTAGCT 11611

QY 1696 TATACAGAAAGTTTTTGAGTTTGGAGTTGAGATCTGATCAAAAATAGCCCTGGTACTCGTAT 1755

DB 11610 CATTCAGAAAGTTTTTGAATTTGGTAGCAAAATTCNAAAAATCTTTTGGTTGATCAATT 11551

QY 1756 TCGTGGTCACTGTTTACCCCTTAGCCTTGCAGATGATGGCTGGCGCTTATTCAGAAAGC 1815

DB 11550 TAAAGGTAACTGAACAGAGCTTATCTCAAAATGTACGATGTCGTGTAATTCAAAAGGC 11491

QY 1816 ATTAGATCTATTTCTCTGACAGCAGAGTGAATGGTAAAGAGGCTGGATGGTCACTGT 1875

DB 11490 GTTAGATATATGTTTCCATCAAGAAATTSAGTTAGTCTGGAATTAATCTGACTCCGT 11431

QY 1876 GCTCAAAATCTGTGAAGATCAGAAATGGAACCATGTTTGTACAAAATATGATCGAATGTGT 1935

DB 11430 TTTCGAATGATCAAGATCAGACGCTAATCACTAATTCAAAAGGCCATCGAACAAT 11371

QY 1936 TCAGCCACAGTCACTACAGTTTCATGCTTTCAGGATGCTTTCAGGACAGAGTATTTGCTTTC 1995

DB 11370 TCCATACGAAAATTTACCTTTTATCTTAAGTTCTTTAACTGGCCACATTTTACCATCTATC 11311

QY 1996 AACTCATCTTTATGCTCCAGAGTAAATTCAGCGCATCTAGAGCATTCGACTGCAAGAACA 2055

DB 11310 TACCCACTCTACGCTGTAGGTCATTCGAAGATGTTAGAAATTTGGTTGAGCGAAGA 11251

QY 2056 GACCTTACCTCTTTAGAGAACTCCACCAACATACAGAGAGGTTGGTACAGATCAAGTA 2115

DB 11250 TCAGGAAAGCATTTTAAACGAAATGAAAGATTCATACCATATCTAATTCAGAACCAATA 11191

QY 2116 TGGCAATTTATGTTTACGATGACTGACACGCTCGACC-----TGAAGACAGAG 2169

DB 11190 TGGTAACCATGTCATTTCATATGTTTTCGAACAAGATCAGTTCCCAATAAGGAATCGT 11131

QY 2170 CAAAATCTGTTCCGAAATCAGGGGA-----AAGGTTTTCAGCCTGAGTCAACA 2217

DB 11130 CGATATCAACAGGAAATCATAGAAACTGTGGCCAAATATGTTTTCGAATACTCTAACA 11071

QY 2218 CAAATTTCCAGCAATGTAGTAGAAAGTGTGTTACTCATGCTCCCTCCCTGCTGAGAGAGC 2277

DB 11070 TAAATTTCCCTCCAGGTTGGTGAAGAAATCTATCTTTATGGCTCTAAATAATCAGAGGA 11011

QY 2278 TTTACTGATTGACAGAGTTTCTGCCAGAAATGATGGTCTC-----A 2319

DB 11010 TTTAAATAATTTCTAAGATTTTACCAGAGACAAAAATCATCTTTGAATCTTGAAGAGCA 10951

QY 2320 CAGTGCCTTTACACCAATGATGAGGACCACTATGCCAAATACGTGTTTCAAAAGATGAT 2379

10950 TTCTCCAAATGATTTTATATGATCAAGGATCAATTTCCCAACTATGATGATTCACAAAATTAGT 10891
2380 TGATATGGCTGAACCTGCTCAGAGAAAGATAATCATGCACAAGATTCGACCTCACATTAC 2439
10890 TAATGCTCTGAGGGTGAGGGTAAAGAAATGATGTCATTCGCATTAGAGCATATTGGA 10891
2440 TACTTTGGCCAAATACACATACGGGAAGCATATAC 2474
10830 TAACTTAAACAAATCTTAACCTCCCTAGGAATAGAC 10796

RESULT 7

JS-08-861-464-5
Sequence 5, Application US/08861464
Patent No. 5874213
GENERAL INFORMATION:
APPLICANT: Guarente, Leonard P.
APPLICANT: Austriaco Jr., Nicanor
APPLICANT: Kennedy, Brian
TITLE OF INVENTION: Genes Determining Cellular Senescence
TITLE OF INVENTION: in Yeast
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS: 16
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/861,464
FILING DATE: 22-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/396,001
FILING DATE: 28-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/09351
FILING DATE: 15-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/107,408
FILING DATE: 16-AUG-1993
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: MIT-6408A22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 781-861-6240
TELEFAX: 781-861-9540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 4000 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 717..3380
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 717..3380

US-08-861-464-5

Query Match 2.0%; Score 106; DB 2; Length 4000;
Best Local Similarity 49.8%; Pred. No. 2.8e-17;
Matches 302; Conservative 0; Mismatches 305; Indels 3; Gaps 1;

1536 ACTGATGGACATAGTTGAGTCTTCTCAAGACGAGGATGTTCTAGATTCTATCAGC 1595
2434 AATATACGGAAGATTCATCTCATTTGTGTAAGACCAACATGTTGTCTGTTCTCGAAA 2463
1596 AAAAACTAGAGAGAGCTACTCCAGCTCAGCGACAGATGCTATTATTAATGAATTTCTCAAG 1655
2464 AGCAGTTGGATATCTCGGAGTAAGCGCGGACCGCAATTTTGAAGAAACTAAGGATT 2523
1656 CAGCTATCAATTAAGACTGATGTTTGGCAACTATGTTATACAGAACTTTTGTAGT 1715
2524 ATAGGTTGATTCAGACTGATTCATTCGGTATTATTTGATCCAGAGCTATTGGAAG 2583
1716 TTGGAGTCTGGATCAAAATATACCCCTGGCTACTCGTATTCTGGTGTCATGCTTACCCT 1775
2584 AGTTACACAGAAAGAAATGCTACTCACAATAATATCTCCCTCATTTGTGAAA 2643
1776 TAGCTTGCAGATGATGGCTGCGCGGTATTTCGAAAGCATTTAGATCTATTCTCTG 1835
2644 TCTTAAACCTCAAGGACTAGGACTAGGSCATTACAAAATCTATGATGCAATCAAAACAG 2703
1836 ACCAGCAGAGTCAATGCTAAAGAGCTGGATG---TCATGTGCTCAAAATGTGTGAAG 1892
2704 ATGAGAGACACAGATTTGTTCATTCCTTAGCCCTTATCTGTCACCTGAGTAGG 2763
1893 ATCAGATGGAAACCATGTTGTACAAAATGTATCGAATGTCTCAGCCACAGTCACTAC 1952
2764 ATTTAAATGGTAAATCATGTTATTCAAAATGTTTGAAGGTTGAAGCTGAAACCTTCC 2823
1953 AGTTCATCATGATGCTTTCAGAGGACAGATTTGTGTTTCAACTCATCTATGGCT 2012
2824 AGTTATCTTTGACGCAATCTCTGATAGCTGTTATGATGCTACTATAGCACCGGT 2893
2015 GCAGAGTAATTCAGCGCACTAGAGCATTCAGAGATTCAGAGACAGACCTTACCTATCTAG 2072
2894 GTTCGGTTTGCACAGCTTCTAGATCTGGAATACAGACATGAGACATGAGCAATCTGTGTG 2943
2073 AAGAACTCCACCAACTACAGAGCAGTTGGTACAGATCGAGTATGCGGANTATCTATTC 2132
2944 ATAAATGCTAGAGCTTCTGATAAATTAACCTTGGATCCATTTGCCAACTATCTGTGTC 3003
2133 AGCATGCTACT 2142
3004 AATATAAT 3013

RESULT 8

US-08-396-201-5
Sequence 5, Application: US/08396201
Patent No. 59-9618
GENERAL INFORMATION:
APPLICANT: Guarente, Leonard P.
APPLICANT: Austriaco Jr., Nicanor
APPLICANT: Claus, James
APPLICANT: Cole, Francesca
APPLICANT: Kennedy, Brian
TITLE OF INVENTION: Genes Determining Cellular Senescence in
TITLE OF INVENTION: Yeast
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/396,001
FILING DATE: 28-FEB-1995

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: MIT-6438A2
TELECOMMUNICATIONS INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 4000 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 717..3380
US-08-396-001-5

Query Match 2.0%; Score 106; DB 2; Length 4000;
Best Local Similarity 49.5%; Pred. No. 2.8e-17;
Matches 302; Conservative 0; Mismatches 305; Indels 3; Gaps 1;
QY 1536 ACTGATTGGACATATAGTTCGAGTTTCTCAAGACGAGCATGTTCTAGATTCATACAC 1595
DB 2404 AATATATCGAAGTATTCCTCGGAGTAAGCGCGGACCGAATTTTGAAGAACTAAGGATT 2463
QY 1596 AAAAACTAGAGAGAGCTACTCCAGCTGAGCGAGAGATGGTATTAAATGAATTCSCAAG 1655
DB 2464 AGCAGTTGGATATTCTCGGAGTAAGCGCGGACCGAATTTTGAAGAACTAAGGATT 2523
QY 1656 CAGCCTCAATTAATAGCTAGTGTCTTTGGGCACTATGTTATACAGAGTCTTTTGGT 1715
DB 2524 ATACGTTGAATGATGATGATTCATTCGGTAATTTTATTCAGAGAGCTATTGGAAG 2583
QY 1716 TTGGGAGTCTGGATCAAAATTAAGCCTGCTACTGCTATTCGGTATTCGCTTACCT 1775
DB 2584 AGTTTACCAGAGCAAGAAAGATCGTACTCACAAAATATCTTCCCTCATTTTGTGCAAA 2643
QY 1776 TAGCCTTGAGATGTATGCTGCGCGTTATTTCAGAAAGCATTAGAATCTATTCTCTG 1835
DB 2644 TTTCTTAAACCTCATGCTACTAGGCGATTACAAAATCTCATTTGAATGATCAAAAGAG 2703
QY 1836 ACCAGAGAGTGAATGTTGTAAGAGAGCTGGATGG---TCATGTGCTCAATGTGTGAAG 1892
DB 2704 ATGAAGAAGCAGAGATGTTGTTGATCTTTACGCCCTTATACGTCCAGTTGAGTAAG 2763
QY 1893 ATCAGAAATGAAACCATGTTGTACAAAATGTATCGAATGTGTTCAGCCACAGTCACTAC 1952
DB 2764 ATTTAATGGTATCATGTTATTCAAAAATGTTTGCAGAGTTGAAGCTGMAAATCTCC 2823
QY 1953 AGTTCACTATGATGCTTCAAGGGACAGATAATTGTTGTTTCAACTATCTATGGT 2012
DB 2824 AGTTTATCTTTGACCGAATCTCTGATAGCTGTTTGTATTTGCTACTCATAGACGGGT 2883
QY 2013 GCAGAGTAAATTCAGCGCATCTTAGAGCATTCGACTGCAGAGAGAGCTTACCTATCTAG 2072
DB 2884 GTTGGGTTTGCACAGCTTGTCTAGATCATGGGACTACAGAACTATGTGCAATCTGTGTG 2943
QY 2073 AAGAACTCCACCAACATACAGAGAGCTTGGTACAGGATCAGTATGCAATATGTTATTC 2132
DB 2944 ATAGTTGCTAGCGCTTGTGTATAAATTAATTTGGATCAATTTGGCACTATGTGGTGC 3003
QY 2133 AGCATGTTACT 2142
DB 3004 AATATATAAT 3013

RESULT 9
US-09-323-433A-5
; Sequence 5, Application US/09323433A
; Patent No. 6218512

GENERAL INFORMATION:
APPLICANT: Guarente, Leonard P.
APPLICANT: Austraco, Jr., Nicholas
APPLICANT: Claus, James J.
APPLICANT: Cole, Francesca
APPLICANT: Kennedy, Brian
TITLE OF INVENTION: GENES DETERMINING CELLULAR SENESENCE IN YEAST
FILE REFERENCE: 0050.1451-003
CURRENT APPLICATION NUMBER: US/03/323.433A
CURRENT FILING DATE: 1999-06-01
PRIOR APPLICATION NUMBER: US 08/396,001
PRIOR FILING DATE: 1995-02-28
PRIOR APPLICATION NUMBER: PCT/US94/09351
PRIOR FILING DATE: 1994-09-15
PRIOR APPLICATION NUMBER: US 08/107,408
PRIOR FILING DATE: 1993-09-16
NUMBER OF SEQ ID NOS: 48
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 4000
TYPE: DNA
ORGANISM: Saccharomyces cerevisiae
FEATURE:
NAME/KEY: CDS
LOCATION: (717)....(3380)
OTHER INFORMATION: YG2023
US-09-323-433A-5

Query Match 2.0%; Score 106; DB 3; Length 4000;
Best Local Similarity 49.5%; Pred. No. 2.8e-17;
Matches 302; Conservative 0; Mismatches 305; Indels 3; Gaps 1;
QY 1536 ACTGATTGGACATATAGTTCGAGTTTCTCAAGACGAGCATGTTCTAGATTCATACAGC 1595
DB 2404 AATATATCGAAGTATTCCTCGGAGTAAGCGCGGACCGAATTTTGAAGAACTAAGGATT 2463
QY 1596 AAAAACTAGAGAGAGCTACTCCAGCTGAGCGAGAGATGGTATTAAATGAATTCGCGAG 1655
DB 2464 AGCAGTTGGATATTCTCGGAGTAAGCGCGGACCGAATTTTGAAGAACTAAGGATT 2523
QY 1656 CAGCCTCAATTAATAGCTAGTGTCTTTGGCACTATGTTATACAGAGTCTTTTGGT 1715
DB 2524 ATACGTTGAATGATGATGATTCATTCGGTAATTTTATTCAGAGAGCTATTGGAAG 2583
QY 1716 TTGGGAGTCTGGATCAAAATTAAGCCTGCTACTGCTATTCGGTATTCGCTTACCT 1775
DB 2584 AGTTTACCAGAGCAAGAAAGATCGTACTCACAAAATATCTTCCCTCATTTTGTGCAAA 2643
QY 1776 TAGCCTTGAGATGTATGCTGCGCGTTATTTCAGAAAGCATTAGAATCTATTCTCTG 1835
DB 2644 TTTCTTAAACCTCATGCTACTAGGCGATTACAAAATCTCATTTGAATGATCAAAAGAG 2703
QY 1836 ACCAGAGAGTGAATGTTGTAAGAGAGCTGGATGG---TCATGTGCTCAATGTGTGAAG 1892
DB 2704 ATGAAGAAGCAGAGATGTTGTTGATCTTTACGCCCTTATACGTCCAGTTGAGTAAG 2763
QY 1893 ATCAGAAATGAAACCATGTTGTACAAAATGTATCGAATGTGTTCAGCCACAGTCACTAC 1952
DB 2764 ATTTAATGGTATCATGTTATTCAAAAATGTTTGCAGAGTTGAAGCTGMAAATCTCC 2823
QY 1953 AGTTCACTATGATGCTTCAAGGGACAGATAATTGTTGTTTCAACTATCTATGGT 2012
DB 2824 AGTTTATCTTTGACCGAATCTCTGATAGCTGTTTGTATTTGCTACTCATAGACGGGT 2883
QY 2013 GCAGAGTAAATTCAGCGCATCTTAGAGCATTCGACTGCAGAGAGAGCTTACCTATCTAG 2072
DB 2884 GTTGGGTTTGCACAGCTTGTCTAGATCATGGGACTACAGAACTATGTGCAATCTGTGTG 2943
QY 2073 AAGAACTCCACCAACATACAGAGAGCTTGGTACAGGATCAGTATGCAATATGTTATTC 2132
DB 2944 ATAGTTGCTAGCGCTTGTGTATAAATTAATTTGGATCAATTTGGCACTATGTGGTGC 3003

QY 2133 AGCATGTACT 2142
| | | | |
Db 3004 AATAATAAAT 3013

RESULT 10

US-09-313-294A-962
; Sequence 962, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalagudi, Raghunath V.
; APPLICANT: Ito, Saura I.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 962
; LENGTH: 292
; TYPE: DNA
; CAGATISM: Zea mays
; FEATURES:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. 6476212 700550145H:
US-09-313-294A-962

Query Match 1.2%; Score 67.4; DB 4; Length 292;

Best Local Similarity 55.3%; Pred. No. 7.1e-38;
Matches 152; Conservative 0; Mismatches 121; Indels 2; Gaps 1;
QY 2217 ACAAAATTCAGCAATGATGAGAAAGTGTACTCATGCTCCCGTGTGAGAGAG 2276
| | | | |
Db 1 AAAAATTCGCTCAATGATCATGAGAGTGTACTCATGCTCCCGTGTGAGAGAG 60
| | | | |
QY 2277 CTCTACTGATGACGAGGTTCCTGCGCAAAATGATGCTCTCAGAGTGCCTTATACACA 2336
| | | | |
Db 61 AGGTCTGATGTCGAGATGCTGGAATCCACTAGCGAAAGCAACCTCTGAGGTA--A 118
| | | | |
QY 2337 TGATGAAGACGAGTATGCAATAGCTGCTGCTCAAAAGATGATGATGCTGAGACCTG 2396
| | | | |
Db 119 TGATGAAGACGAGTATGCAATAGCTGCTGCTCAAAAGATGATGATGCTGAGACCTG 178
| | | | |
QY 2397 CTCAGAGAAAGATAATCATGCAAGATTCGACCTCACATTACTACTTTGCCAAATACA 2450
| | | | |
Db 179 AGCAGAGAGAGATGATCTCTAAAGGATTAAGACACACCTGAACACACTCAAGAGATACA 238
| | | | |
QY 2457 CATACGGGAGCATATATCTGCGCAAGTTGCGAAAG 2491
| | | | |
Db 239 CATATGGGAAGCACATAGTAGCACCGGTAGAGAG 273
| | | | |

RESULT 11

US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,769
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: 17031836-9300
TELEFAX: 17031683-4109
TELEX: 999149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7216 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; IMMEDIATE SOURCE:
; CLONE: pTZpt-F.s
US-08-232-463-14

Query Match 1.2%; Score 67.4; DB 1; Length 7216;

Best Local Similarity 8.5%; Pred. No. 4.3e-07;
Matches 38; Conservative 230; Mismatches 191; Indels 0; Gaps 0;
QY 4572 TGGGATGCCAGGCATATCTTTTCATGTTTGGTGTGAGTTACTTTCTAACCCTA 4631
| | | | |
Db 1560 TTCCGATTTTCTGATGATTTTCTGATGATTTTCTGATGATTTTCTGATGATTT 1119
| | | | |
QY 4582 ACATTCCTGTTGAGACCATTAATCCAAACACATTCGACCGTCTCTTCATAGTACT 4691
| | | | |
Db 1120 YYYTCTGTTGAGACCATTAATCCAAACACATTCGACCGTCTCTTCATAGTACT 1179
| | | | |
QY 4692 CTGCTCATAGATGTCGCGAGTCACTGCGAGCAGCGCTGTCTTCTTCTTCTTCTTA 4751
| | | | |
Db 1180 YYYTCTGTTGAGACCATTAATCCAAACACATTCGACCGTCTCTTCATAGTACT 1239
| | | | |
QY 4752 AAACCCACACAAACCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 4811
| | | | |
Db 1240 YYYTCTGTTGAGACCATTAATCCAAACACATTCGACCGTCTCTTCATAGTACT 1299
| | | | |
QY 4812 CCGTATCGAATCTTCT 4871
| | | | |
Db 1300 YYYTCTGTTGAGACCATTAATCCAAACACATTCGACCGTCTCTTCATAGTACT 1359
| | | | |
QY 4872 TGGAGATGCTAATGCT 4931
| | | | |
Db 1360 YYYTCTGTTGAGACCATTAATCCAAACACATTCGACCGTCTCTTCATAGTACT 1419
| | | | |
QY 4932 TTGCTCTCTCTGCGACAGCATATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 4991
| | | | |
Db 1420 YYYTCTGTTGAGACCATTAATCCAAACACATTCGACCGTCTCTTCATAGTACT 1479
| | | | |
QY 4992 CTACATTCGAGAACTAAACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 5020
| | | | |
Db 1480 TTACAGTCACTGCTTACATGCGCTTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1508
| | | | |

RESULT 12

US-08-487-826B-13/c
; Sequence 13, Application US/08487826B
; Patent No. 5393627
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan

```
Query Match      100%   Score 55.8; DB 2; Length 3455;
Best Local Similarity 47.6%; Pred. No. 0.0003;
Matches 291; Conservative 0; Mismatches 287; Indels 33; Gaps 3;

Cy    1560 GACCAGCATGGTCTTAGATTCATACGCAAAACTAGAGAGAGCTCTCCAGC-----T 1621
                |||         |||         |||         |||         |||
Db    1248 GACCAGTTTGGGTGGCGTGTTCTTTCANAAAAATTAGAAAACCCCAGTGAATCCAATATG 1307
                ||||         ||||         ||||         ||||         ||||

Cy    1622 GAGCGACAGATGTAATTATGAAATCTTCSAAGCAGCCTATCAAATAATGACTGATGT 1681
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Query Match	i.0%	Score	56;	DB	2;	Length	19124;
Best Local Similarity	47.0%	Pred.	No.	C.	00069;		
Matches	205;	Conservative	0;	Mismatches	230;	Indels	1;
Gaps	1;						
QY	3552	TTTCTATAAATATATGCATTGTGTGTAGTAAATAGATTAAGTTTACACATTTGAAGG	3610				
DB	15042	TATATATGATGTGTAAGTGTGATGTAGTATGGGTAATATATATATATATATGTATCT	15983				
QY	3611	AAATCTGTTTCAATGTTTATATACAAAGCCGTGTAAATTTAGTGTAGTGTCTCCCTTG	3670				
DB	15982	ATATGTCATGTAAATTAATTTATTTTATTTTATTAATTAATTAATTTTATATTTT	15923				
QY	3671	GTGTACAGGTGTACATTTGTAAACCTTCATCTGTAAAGGAAATTTGTTTATCTCTTT	3730				
DB	15922	TTTATTTTCAATAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT	15863				
QY	3731	GGATACATTTTGCAATTTTATGTGTACATTTACGTCCCTGCCCTTTGACCTGGCAATATA	3783				
DB	15862	TTTTTTTATTTAAATAAATTTTATTTATTTATTTTATTTTATTTTATTTTAAATAATTTT	15803				
QY	3791	GCCTGTATTAATGTAAATTAATTTCTCCAAATCGAGAGTGATTTTATAAATTTTAT	3850				
DB	15802	TTATTTATGTATATATTTTATTTTAAAGATTTTATTTATTTTATTTTATTTTATTTAGATAT	15743				
QY	3851	CTTTATATGTTTTCAGAGATATGAACACGCTTTCTTTTATATATTTGTGAGATCATTTTGT	3910				
DB	15742	ATATTTTATTTAAATACATTTTTCCTTTTCTTTTGTGCTTTTATGAATATATTTTAT	15683				
QY	3911	TTTATAACATGTGTTGTGACTGTATATATGGACCTGCTAGAAATTTGGATACATTTCAATT	3970				
DB	15682	TTTTTAAATGTTTTTTTTTCTGCTTTTGTATTTTATTTTATTTTATTAATCATTTTCTTT	15623				

1308 GTGAGAGCTGATGTATGACAAATTAAGCCATTTTCTTGGACCTATTTTGGATCCG 1367
1682 TTTGGCAACTATGTTATACAGAAAGTTTTTTGAGTTGGGAGTCTGGATCAAAATTAGCC 1741
1368 TCGGGTAATATTGTTTCAAAAATATGCGATTATTTAACTCCCGAGCAAAAGACATTA 1427
1742 CTGGCTACTGTTATTCGTGGTCAATGTTCTACCCCTTAGCCCTTSGAGATGTATGCTCCGC 1801
1428 TTAATACAAACAATATATCAAAATGTTTTTCAAAATATCAATCAATCAGTACGGAATCGT 1487
1802 GTTATTACAGAAACATTAGAAATCTATTCTCTGACGAGCAGAGTGAAATGGTAAAGGAG 1861
1488 TCTTTACAGAAATATTAGACACTGTGATACGAAGTTCAATCGATCTCATATTATAG 1547
1862 C-----TGGATGTCATGTCCTCTCAAAATGTTGAAAGATCAGAAAT 1900
1548 GGATTTTCCCAAGAAATTTACTTCGATTGAGCAAGTGTACTTTGATAAACGATCTAAT 1607
1901 GGAAACGATGTTGTACAAAATGATATGTTGTCAGCCACAGTCACAGATTCATC 1960
1608 GGTAAACATGTGATCAAAAGTGTATTTCAAAATCTCGCCATCAAAATTTGGTTTCATC 1667
1961 ATTGATGCTTTCAAGGACAA-----GTATTGTGCTTTCAACTCATCTCTATGCTCGC 2014
1668 ATAGATGCTATTCTAGAACAAATATATATCATTTACCATTTCTACCATTAACAGTGTGT 1727
2015 AGAGTAATTCAGCGCATCTTAGACGATTCACCTTGCAGAACAGACCTTACCTATCTTAGAA 2074
1728 TCGGTACTACAAAATTTACTAAGCGTTTGTACTCTACACAAATTTTCAAAATTTCTGTG 1787
2075 GAATCTCCACACATACAGAGCAGTGTGATACAGATCGATATCGGATATGTTATCTAG 2134
1788 AAAATTGTGCGATTCCTCTCGATTAAATCAACGATCAGTTGGTAAATATATCATCOAA 1847
2135 CATGTACTGGA 2145
1848 TTTCTGTAGA 1858

RESULT 14
US-08-396-001-3
; Sequence 3, Application US/08396001
; Patent No. 5919618
; GENERAL INFORMATION:
; APPLICANT: Guarente, Leonard P.
; APPLICANT: Austriaco Jr., Nicanor
; APPLICANT: Claus, James
; APPLICANT: Cole, Francesca
; APPLICANT: Kennedy, Brian
; TITLE OF INVENTION: Genes Determining Cellular Senseance in
; NUMBER OF INVENTION: 15
; NUMBER OF SEQUENCE: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/396,001
; FILING DATE: 28-FEB-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: MIT-6408A2
; TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3455 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 663..3164
US-08-396-001-3
Query Match 1.0% Score 55.8; DB 2; Length 3455;
Best Local Similarity 47.6%; Pred. No. 0.0003;
Matches 291; Conservative 0; Mismatches 287; Indels 33; Gaps 3;
QY 1568 GACGAGCATGCTTCTAGATTCATACAGCAAAATAGAGAGAGTACTCCAGC-----T 1621
DB 1248 GACGAGCTTCCCTCCCTCTTTCTTCAAAAAAATAGAAACCCCCAGTGAATCCAAATG 1307
QY 1622 GAGGAGCAGATGGATTTAAAGAAATCTGCAAGCAGCCTATCAATTAATGACATGATGT 1681
DB 1308 CTGAGAGACTTGTGTATGAGCAAAATTAAGCCATTTTCTTGGACCTTATTTTGGATCC 1367
QY 1682 TTTGCAACTATGTTATACAGAAAGTTTTTTGAGTTGGGAGTCTGGATCAAAATTAGCC 1741
DB 1368 TCGGTACTATTTGGTCAAAACTATGCGATTATTTAACTCCCGAGCAAAAGACATTA 1427
QY 1742 CTGGCTACTGTTATTCGTGGTCAATGTTCTACCCCTTAGCCCTTSGAGATGTATGCTCCGC 1801
DB 1428 TTAATACAAACAATATATCAAAATGTTTTTCAAAATATCAATCAATCAGTACGGAATCGT 1487
QY 1802 GTTATTACAGAAACATTAGAAATCTATTCTCTGACGAGCAGAGTGAAATGGTAAAGGAG 1861
DB 1488 TCTTTACAGAAATATTAGACACTGTGATACGAAGTTCAATCGATCTCATATTATAG 1547
QY 1862 C-----TGGATGTCATGTCCTCTCAAAATGTTGAAAGATCAGAAAT 1900
DB 1548 GGATTTTCCCAAGAAATTTACTTCGATTGAGCAAGTGTACTTTGATAAACGATCTAAT 1607
QY 1901 GGAAACGATGTTGTACAAAATGATATGTTGTCAGCCACAGTCACAGATTCATC 1960
DB 1608 GGTAAACATGTGATCAAAAGTGTATTTCAAAATCTCGCCATCAAAATTTGGTTTCATC 1667
QY 1961 ATTGATGCTTTCAAGGACAA-----GTATTGTGCTTTCAACTCATCTCTATGCTCGC 2014
DB 1668 ATAGATGCTATTCTAGAACAAATATATATCATTTACCATTTCTACCATTAACAGTGTGT 1727
QY 2015 AGAGTAATTCAGCGCATCTTAGACGATTCACCTTGCAGAACAGACCTTACCTATCTTAGAA 2074
DB 1728 TCGGTACTACAAAATTTACTAAGCGTTTGTACTCTACACAAATTTTCAAAATTTCTGTG 1787
QY 2075 GAATCTCCACACATACAGAGCAGTGTGATACAGATCGATATCGGATATGTTATCTAG 2134
DB 1788 AAAATTGTGCGATTCCTCTCGATTAAATCAACGATCAGTTGGTAAATATATCATCOAA 1847
QY 2135 CATGTACTGGA 2145
DB 1848 TTTCTGTAGA 1858

RESULT 15
US-09-323-433A-3
; Sequence 3, Application US/09323433A
; Patent No. 6216512
; GENERAL INFORMATION:
; APPLICANT: Guarente, Leonard P.
; APPLICANT: Austriaco Jr., Nicanor
; APPLICANT: Claus, James J.
; APPLICANT: Cole, Francesca
; APPLICANT: Kennedy, Brian

Job time : 283 secs

1 TITLE OF INVENTION: GENES DETERMINING CELLULAR SENESECE IN

2 TITLE OF INVENTION: YEAST

3 FILE REFERENCE: 2030.1491-003

4 CURRENT APPLICATION NUMBER: US/09/323,433A

5 PRIOR FILING DATE: 1999-06-01

6 PRIOR APPLICATION NUMBER: US 08/396,001

7 PRIOR FILING DATE: 1995-02-28

8 PRIOR APPLICATION NUMBER: PCT/US94/09351

9 PRIOR FILING DATE: 1994-08-15

10 PRIOR APPLICATION NUMBER: US 08/107,408

11 PRIOR FILING DATE: 1993-08-16

12 NUMBER OF SEQ ID NOS: 48

13 SOFTWARE: FastSeq for Windows Version 3.0

14 SEQ ID NO 3

15 LENGTH: 3455

16 TYPE: DNA

17 ORGANISM: Saccharomyces cerevisiae

18 FEATURE:

19 NAME/KEY: CDS

20 LOCATION: (663)...(3164)

21 OTHER INFORMATION: JTH4

22 US-09-323-433A-3

Query Match 1.04; Score 55.9; DB 3; Length 3455;

Best Local Similarity 47.68; Pred. No. 3,0003;

Matches 291; Conservative 0; Mismatches 287; Indels 33; Gaps 3;

CY 1568 GACGAGATGGTCTCTAGATCTACAGCAAAACTAGAGAGAGCTACTCCAGC-----T 1621

DB 1248 GACCAGTTGGTGGCGTTTCTTCAAAAAAATAGAAAACCCCGAGTGAATCCAAATG 1307

CY 1622 GACGGACAGATGGTATTTATGAAATCTCGACAGCCTATCAATTAATGACTGATGTT 1681

DB 1338 GTGAGAGACTTGATGATGAACAAATTAAGCCATTTTCTTGACCTTATTTTGGATCCG 1367

CY 1682 TTGGCAACTATGTATACAGAGATTTTGGAGTCTGGATCAAAATTAGCC 1741

DB 1368 TCGGTAACTATTGGTTCAAAACATGCGATATTACTSCGAGSCAAAGACATTN 1427

CY 1742 CTGGCTACTCGTATGCTGTGCTATGTTCTACCTTACCTTTGAGATGATGCTGCGC 1801

DB 1428 TTAATACAAACATATATCCAAATGTTTCCAAATATCAATCAATCAGTACGGACTCGT 1467

CY 1802 GTATTTCAGAAAGCNTTAGAATCTATTCTTCGACGAGAGAGTGAATGGTAAGGAG 1861

DB 1488 TCCTTACAGAAAAATTAGACACCTGTGGATACGAAATTCAAATCGATCTCATTTAAG 1547

CY 1862 C-----TGGATGGTCAATGTGCTCAAAATGTGTGAAGATCAGAT 1900

DB 1548 GGAATTTCCCAAGNATTTACTTCGATTGACCAAGTGGTACTTTGATAACGATCTTAAT 1607

CY 1901 GGAACCATGTTGTACAAAAATGATGGAATGTGTTGAGCCACAGTCATACAGTTCAATC 1960

DB 1608 GGTAAACATGTGATTCAAAAGTGTATTTCCAAATTCCTGGCCATCAAAATTTGGTTTATC 1667

CY 1961 ATTGATGCTTTCAGGGAGAA-----GTATTGTGCTTTTCACTATGCTTATGCTGC 2014

DB 1668 ATAGATGCTATTGTAGAACAAAATATATATCATATCATTTCTACCCATTAACATGCTGT 1727

CY 2015 AGAGTAATTCAGGCGATCTCTAGAGCATTTGACATGCGAGACAGACCTTACCTATCTTAGAA 2074

DB 1728 TGGTACTACAAAANATTTACTTAAGCTTTGTACTCTACACAAATTTTCAMAAATTCGTG 1787

CY 2075 GAATCCACCAACATACAGAGAGCTTGGTACAGATCAGTATGGCAATATGTTATTTCAG 2134

DB 1788 AAAATTCGCAGTTCCTTCCTGGATTAAATCAACGATCAGTTCGTTAATATATATCATCCAA 1847

CY 2135 CATGACTGGA 2145

DB 1848 TTTCTGTAGA 1858

Search completed: October 16, 2003, 10:14:45

121 CCCTTTTGACTCAAAATCCAGCAGCAGCTCTCTCAGAGGACTAATGCACTAACAGTTCA 180
181 ACAGTTAACTGAGCTCAACAGCAGCAATATGCAATTAGCAGCAGCTCAGCAGCCACATAT 240
181 ACAGTTAACTGAGCTCAACAGCAGCAATATGCAATTAGCAGCAGCTCAGCAGCCACATAT 240
241 AGCTGGTGTATCTCAGCAGGCTTCTCAGCTGCATTTGTGCCAAATCCATACATATAT 300
241 AGCTGGTGTATCTCAGCAGGCTTCTCAGCTGCATTTGTGCCAAATCCATACATATAT 300
301 TAGTGTCTCTCTCCAGGACCGATCCGTATATCTGAGCAGAGATTTGGTGAGCAGCTAC 360
301 TAGTGTCTCTCTCCAGGACCGATCCGTATATCTGAGCAGAGATTTGGTGAGCAGCTAC 360
361 ATTAGCAGGCTCAGCAGTGTCTCAGCTCAGTATTACGGCGTTCCATGGGGGTGTATCC 420
361 ATTAGCAGGCTCAGCAGTGTCTCAGCTCAGTATTACGGCGTTCCATGGGGGTGTATCC 420
421 AGCCAACTTATCTCAGCAGCAAGCTCAGCTGCGGCAAAATAACACAGCCAGTCAGCAAGC 480
421 AGCCAACTTATCTCAGCAGCAAGCTCAGCTGCGGCAAAATAACACAGCCAGTCAGCAAGC 480
481 AGCATCACAGCTCAGCTGGA CAGCAAGGTTCTCCGGTGTGAGCAGGTCAGCGTCC 540
481 AGCATCACAGCTCAGCTGGA CAGCAAGGTTCTCCGGTGTGAGCAGGTCAGCGTCC 540
541 TCTTACTCCCAATCAGGCTCAGCAAGGGCAGCAGCAAGTCACTTCCGGCAGCTGCAGC 600
541 TCTTACTCCCAATCAGGCTCAGCAAGGGCAGCAGCAAGTCACTTCCGGCAGCTGCAGC 600
601 AGCAAAATCCCAACATTTGGCTTTGGTCAGGCTCTTGCTATGSCATCCAGGCTATCAAGT 660
601 AGCAAAATCCCAACATTTGGCTTTGGTCAGGCTCTTGCTATGSCATCCAGGCTATCAAGT 660
661 ACTAGCTCCAACTGCCTTATATGATCAGACTGTGCTTAGTGCTTGGCGCTTGGAGCAAG 720
661 ACTAGCTCCAACTGCCTTATATGATCAGACTGTGCTTAGTGCTTGGCGCTTGGAGCAAG 720
721 GACTGGGCTTTGGAGCTCCAGTCTGGTTAATGGTCCCAACACCTGTTTAAATAGTTCAAG 780
721 GACTGGGCTTTGGAGCTCCAGTCTGGTTAATGGTCCCAACACCTGTTTAAATAGTTCAAG 780
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QY	2461	CGGAAGCATATACTGGCCAAAGTTGAAAGTATTATTGGAAGAAAGCCGGACCTAGG	2520
DB	2224	CGGAAGCATATACTGGCCAAAGTTGAAAGTATTATTGGAAGAAAGCCGGACCTAGG	2283
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DB	2404	AATCTTCAATTTTATTAAGCAGAAACTATTATTGACCTTATTGCTCACTTGTGTAAT	2463
QY	2701	TTTTTAAGGTCCTTGATATTGGGGGCTGGGGATGAATTATAAAATATATATTCAGGC	2760
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RESULT 2

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Sequence 7, Application US/09826752

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GENERAL INFORMATION:

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APPLICANT: Kennedy, Brian

TITLE OF INVENTION: GENES DETERMINING CELLULAR SENESENCE IN

TITLE OF INVENTION: YEAST

FILE REFERENCE: 0050.1491-CC5

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; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 5319
; TYPE: DNA
; ORGANISM: Homo sapiens
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; NAME/KEY: CDS
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; OTHER INFORMATION: D43951
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QY 1992 TTTCAACTCACTCTATGGCTGACAGATTAATTCACGCGATCTAGAGCATTCAGCTGCGAG 2051
DB 3055 TATCAGACATCTTATGGCTGCTGCGAGTATTCAGAGNATCTTGGAGCAGCTGTCTCCCTG 3114
QY 2052 AACAGACCTTACCTATCTTAGAAGAACTCCCAACATACAGAGCAGTTGTTACAGGATC 2111
DB 3115 ACCAGACACTCCCTATTTTAGAGGAGCTTCCACAGCACAGAGCAGCTTGTACAGGATC 3174
QY 2112 AGTATGGCAATTTATGTTATTCAGSNTGTACTGGAACACGGTTCGACCTGAACACAGAGA 2171
DB 3175 AATATGGAATTTATGTAATCCAACTGACTGGAGCAGCTGCTCTCAGGATATAAAGCA 3234
QY 2172 AAATGTTTCCGNAATCAGGGGAAAGTTTTAGCCCTGAGTCAACACAAATTTGCGCAGCA 2231
DB 3235 AAATGTTAGCAGAAATCCGAGGCAATTTACTGTATTTGAGTCAGCACAAATTTGCAAGCA 3294
QY 2232 ATGTATAGAAAGTGTGTACTCATGCTCCCTGCTGTGAGAGAGCTTTACTGATTTGACG 2291
DB 3295 ATGTTGTGGAAGTGTGTACTCAGCCTCAGTACGAGCGGCTGTCTCAGGAGCGGCTGTCTCATCGATG 3354
QY 2292 AGTGTGCTGCGAGAAATGATGTTCTCTCAGCTGCTTATACCATGATGAGGAGCAGCT 2351
DB 3355 AGGTGTCAACATGAACACGCTGCCACAGCTGCTTATACCATGATGAAGGAGCAGT 3414
QY 2352 ATGCCAATTTAGTGTCTCAAAAGATGATTGATATGGCTGAACCTGCTCAGAGAAAGATAA 2411
DB 3415 ATGCCAATTTAGTGTCTCAGAGATGATTGAGTGTGGCGAGCGAGCGGAGGAGATCG 3474
QY 2412 TCATCCACAAGATTTGAGCTTACATTTACTACTTTTCGCAAAATACACATACGGGAAGCATA 2471
DB 3475 TCATCCACAAGATTCGGCGCCACATTCGCAACTCTTCGTAAGTACACCTATGCAAGCACA 3534
QY 2472 TACTGCGCAGTTGGAAGATTTATTTGAAGNATAGCCCGACCTAGSAGCTATTGAG 2531
DB 3535 TTCTGGCAAGCTGGAGAGTACTACATGAAGACGGTGTGACTTAGGGCCCATCTCTGTG 3594
QY 2532 GACCACCAATGGAATGCTGTA 2554
DB 3595 GCGCCCTTATGGTATCATCTGA 3617

RESULT 3

US-10-197-666A-139
Sequence 139, Application US/10197666A
Publication No. US2003092037A1
GENERAL INFORMATION:
APPLICANT: ASAH: KASEI KABUSHIKI KAISYA
TITLE OF INVENTION: Elix: phosphorylation: related gene
FILE REFERENCE: PH:1548US
CURRENT APPLICATION NUMBER: US/10197666A
CURRENT FILING DATE: 2002-01-18
PRIOR APPLICATION NUMBER: JP 2001-218204
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: JP 2001-263450
PRIOR FILING DATE: 2001-08-31
PRIOR APPLICATION NUMBER: JP 2002-012176
PRIOR FILING DATE: 2002-01-21
PRIOR APPLICATION NUMBER: US 60/305,894
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: US 60/316,304
PRIOR FILING DATE: 2001-09-04

Db	3034	GTGTACAGCCCCAGTCTTTGCAATTTATCATGATGCGTTTAAAGGACAGGTATTGGCT	3093
Qy	1992	TTTCAACTCATCTTATTSGTTCGACAGATAATTAGCGCATCTCTAGAGCATTTGCACTSCAG	2051
Db	3094	TATCCACACATCTTATTSGTTCGCGAGTGATTCAGAGAACTCTGGAGCATCTGTCCCTG	3153
Qy	2052	AACAGAGCCTTACCTATCTTATAGAGAACTCCACACACATATAGAGACAGTCTGGTACAGATC	2111
Db	3154	ACCAGACATCTCTTATTAGAGAGAGTTTACCAGCACACAGAGCAGCTGTACAGATC	3213
Qy	2112	AGTATGGCAATTATGTTATTTCAGCATCTACTGGAACACGGTTCGACCTGACAGACAGAGACA	2171
Db	3214	AATATGGAAATTATGTAAATCCAACTGTACTGGAGCACGGTCTCTGAGGATAAAGCA	3273
Qy	2172	AAATTTGTTTCGGAANTCAGGGGAAGCTTTTAGCCCTTAGTCTACACAAATTTGCCAGCA	2231
Db	3274	AAATTTGAGCAGAAATCCGAGGCAATGTACTTTGTATTGAGTCAGACAAATTTGCCAAGCA	3333
Qy	2232	ATGTAGTAGAAAAAGTGTGTTTACTCATCGCTCCCGTGTCTGAGAGAGCTTTACTGATTGAGG	2291
Db	3334	ATGTTGTGGAGAGTGTSTTACTACAGCTCAGCTACGGAGCGCGTGTGCTCATCGATG	3393
Qy	2292	AGGTTTGCTGCCAGATATGATGTGCTCTCACAGTGGCTTTATACACATGATGAAGACCAAGT	2351
Db	3394	AGGTTGCACCATTAAGCAGCGTCCCCACAGTGGCTTTATACACATGATGAAGACCAAGT	3453
Qy	2352	ATGCAATTACGTGGTTCAAAAGATGATTGATGGCTGAACTGTCTCAGAGAAAGATAA	2411
Db	3454	ATGCCAACTACGTGTCTCCAGAAAGTATTAAGTGGCGGAGCCAGGCCGCGGAAATATCG	3513
Qy	2412	TGATGCACAGATTCGACCTTCACATTACTTCTTTGCCAAATACACATATCGGGAAGCATTA	2471
Db	3514	TCATGCTATAAGATCCGGCCCCCATATCGCAACTCTTCGTAAGTACACCTATGGCAAGCACA	3573
Qy	2472	TACTGGCCAAAGTGGAAAGATTTATTATTGAAGATATCCCGGACCTTAGGACCTATTGGRG	2531
Db	3574	TTTGGCCAAAGCTGGAGAGTACTACATGAAGAAAGCGTGTGTGACTTAGGGCCCATCTGTG	3633
Qy	2532	GACCACCAAAATGGAATGCTGTAA	2554
Db	3634	GGCCCCCTAATGGTATCATCTGA	3656

RESULTS 4

[illegible]

Db 671 CAAGAATAAAGTGGTTTGTAGATGAAAGAACCTTAACATTTATTTACAGTAGATGTGGTTT 612
QY 3193 AATACAAATTAAGTGGTCTGCTGCAATGTACAGAAATATTTATATATCTTACA 3252
Db 611 AATACAAATTAAGTGGTCTGCTGCAATGTACAGAAATATTTATATATCTTACA 552
QY 3253 TATTAATTTGTTTAAAGTTAAATACAAATCATGTTACACCTTCCAAATTAAGTGCAT 3312
Db 551 TAGTAATTTGTTTAAAGTTAAATACAAATCATGTTACACCTTCCAAATTAAGTGCAT 492
QY 3313 AATGAAAGTTAAGTGCATTTAATTAATTTTCAAGTTTGGTTTCAATGAGAAAGTGA 3372
Db 491 AATGAAAGTTAAGTGCATTTAATTAATTTTCAAGTTTGGTTTCAATGAGAAAGTGA 432
QY 3373 AATTTGTAATTTGTTTGTATAGATTTACAGACATTTGAGGAAGTGTGAGCTTTAT 3432
Db 431 AATTTGTAATTTGTTTGTATAGATTTACAGACATTTGAGGAAGTGTGAGCTTTAT 372
QY 3433 TTTGCTTTTTCATAGAGGAGAAAGTGGGACAGATAGAGATGAAAGGGGCCACTGAA 3492
Db 371 TTTGCTTTTTCATAGAGGAGAAAGTGGGACAGATAGAGATGAAAGGGGCCACTGAA 312
QY 3493 AAGTGAATTTGATAGTGCATTTAAGCATGATTACATATTCAGATAGCTTTTGGT 3552
Db 311 AAGTGAATTTGATAGTGCATTTAAGCATGATTACATATTCAGATAGCTTTTGGT 252
QY 3553 TTTCTAATTAATGATGATTTGTTGCTGATAGTAAATGATGATGATGATGATGATGAT 3612
Db 251 TTTCTAATTAATGATGATTTGTTGCTGATAGTAAATGATGATGATGATGATGATGAT 192
QY 3613 ATCTTGTTTCAATGTTTATATAAAGCCCTTGTAAATTTAGTAGTGCATTTCTTGGT 3672
Db 191 ATCTTGTTTCAATGTTTATATAAAGCCCTTGTAAATTTAGTAGTGCATTTCTTGGT 132
QY 3673 TGTACAGGTGTACATTTGTAAACCTTCATGCTGTAATGTAATTTGTTTATCTTTGG 3732
Db 131 TGTACAGGTGTACATTTGTAAACCTTCATGCTGTAATGTAATTTGTTTATCTTTGG 72
QY 3733 GATACATTTGCAATTTTAGTGATCAATTTAGTCCCTGCCCTTTGACCTGGCAATATAGT 3792
Db 71 GATACATTTGCAATTTTAGTGATCAATTTAGTCCCTGCCCTTTGACCTGGCAATATAGT 12
QY 3793 GTTGTAATATG 3803
Db 11 GTTGTAATATG 1

RESULT 6

US-09-902-941-1431/c

: Sequence 1431: Application US/09902941

: Patent No. US20020172952A1

: GENERAL INFORMATION:

: APPLICANT: Henderson, Robert A.

: APPLICANT: Wang, Tongtong

: APPLICANT: Watanabe, Yoshihiro

: APPLICANT: Johnson, Jeffrey C.

: APPLICANT: Retter, Marc W.

: APPLICANT: Marnierakis, Margarita

: APPLICANT: Carter, Derrick

: APPLICANT: Fanger, Gary R.

: APPLICANT: Vedvick, Thomas S.

: APPLICANT: Bangur, Chaitanya S.

: APPLICANT: McNabb, Andria

: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

: TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

: FILE REFERENCE: 2:0121.478C17

: CURRENT APPLICATION NUMBER: US/09/902.941

: CURRENT FILING DATE: 2001-07-10

: NUMBER OF SEQ ID NOS: 2502

: SOFTWARE: FastSeq for Windows Version 4.0

: SEQ ID NO 1431

: LENGTH: 734

: TYPE: DNA

: ORGANISM: Homo sapiens

US-09-902-941-1431

Query Match 13.5% Score 728.6; DB 10; Length 734;

Best Local Similarity 99.6%; Pred. No. 8.7e-159;

Matches 728; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3073 AAAGAGTTAAGTTTATTTTGTATATTTTCAAAATATCATGCAATTAACGAGTAGTGA 3132
Db 731 AAAGAGTTAAGTTTATTTTGTATATTTTCAAAATATCATGCAATTAACGAGTAGTGA 672
QY 3133 CAAGAATAAAGTGGTTTGTAGATGAAAGAACCTTAACATTTATTTACAGTAGATGTGGTTT 3192
Db 671 CAAGNANTAAAGTGGTTTGTAGATGAAAGAACCTTAACATTTATTTACAGTAGATGTGGTTT 612
QY 3193 AATACAAATTAAGTGCATTTAATTAATTTTCAAGTTTGGTTTCAATGAGAAAGTGA 3252
Db 611 AATACAAATTAAGTGCATTTAATTAATTTTCAAGTTTGGTTTCAATGAGAAAGTGA 552
QY 3253 TATTAATTTGTTTAAAGTTAAATACAAATCATGTTACACCTTCCAAATTAAGTGCAT 3312
Db 551 TATTAATTTGTTTAAAGTTAAATACAAATCATGTTACACCTTCCAAATTAAGTGCAT 492
QY 3313 AATGAAAGTTAAGTGCATTTAATTAATTTTCAAGTTTGGTTTCAATGAGAAAGTGA 3372
Db 491 AATGAAAGTTAAGTGCATTTAATTAATTTTCAAGTTTGGTTTCAATGAGAAAGTGA 432
QY 3373 AATTTGTAATTTGTTTGTATAGATTTACAGACATTTGAGGAAGTGTGAGCTTTAT 3432
Db 431 AATTTGTAATTTGTTTGTATAGATTTACAGACATTTGAGGAAGTGTGAGCTTTAT 372
QY 3433 TTTGCTTTTTCATAGAGGAGAAAGTGGGACAGATAGAGATGAAAGGGGCCACTGAA 3492
Db 371 TTTGCTTTTTCATAGAGGAGAAAGTGGGACAGATAGAGATGAAAGGGGCCACTGAA 312
QY 3493 AAGTGAATTTGATAGTGCATTTAAGCATGATTACATATTCAGATAGCTTTTGGT 3552
Db 311 AAGTGAATTTGATAGTGCATTTAAGCATGATTACATATTCAGATAGCTTTTGGT 252
QY 3553 TTTCTAATTAATGATGATTTGTTGCTGATAGTAAATGATGATGATGATGATGATGAT 3612
Db 251 TTTCTAATTAATGATGATTTGTTGCTGATAGTAAATGATGATGATGATGATGATGAT 192
QY 3613 ATCTTGTTTCAATGTTTATATAAAGCCCTTGTAAATTTAGTAGTGCATTTCTTGGT 3672
Db 191 ATCTTGTTTCAATGTTTATATAAAGCCCTTGTAAATTTAGTAGTGCATTTCTTGGT 132
QY 3673 TGTACAGGTGTACATTTGTAAACCTTCATGCTGTAATGTAATTTGTTTATCTTTGG 3732
Db 131 TGTACAGGTGTACATTTGTAAACCTTCATGCTGTAATGTAATTTGTTTATCTTTGG 72
QY 3733 GATACATTTGCAATTTTAGTGATCAATTTAGTCCCTGCCCTTTGACCTGGCAATATAGT 3792
Db 71 GATACATTTGCAATTTTAGTGATCAATTTAGTCCCTGCCCTTTGACCTGGCAATATAGT 12
QY 3793 GTTGTAATATG 3803
Db 11 GTTGTAATATG 1

RESULT 7

US-09-849-626-1431/c

: Sequence 1431: Application US/09849626

: Publication No. US2002019769A1

: GENERAL INFORMATION:

: APPLICANT: Bangur, Chaitanya

: APPLICANT: Fanger, Gary

: APPLICANT: Wang, Aijun

: APPLICANT: Wang, Tongtong

: APPLICANT: Switzer, Anne

: APPLICANT: McNeill, Patricia

: APPLICANT: Clapper, Jonathan

: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND


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; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C16
; CURRENT APPLICATION NUMBER: US/09/849,626
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 1926
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1431
; LENGTH: 734
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-849-626-1431

Query Match      13.58; Score 728.6; DB 10; Length 734;
Best Local Similarity 99.68; Pred. No. 8.7e-59;
Matches 728; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3673 AAAGAGTTAGTTGTTTATTTGATTAATTCAGAACTATCATGCAAAATACAGAGTAAGTAGA 3132
DB 731 AAAGAGTTAGTTGTTTATTTGATTAATTCAGAACTATCATGCAAAATACAGAGTAAGTAGA 672
QY 3133 CAAGAAATAGAGTGGTTTGAGATGAAAGAACCTAAACATATTTACAGTAGATGCTTTT 3192
DB 671 CAAGAAATAGAGTGGTTTGAGATGAAAGAACCTAAACATATTTACAGTAGATGCTTTT 612
QY 3193 AATACAAATTACTGCCCTAAATGCTCTGGCAATGTACAGAAATATGTATATACATTACA 3252
DB 611 AATACAAATTACTGCCCTAAATGCTCTGGCAATGTACAGAAATATGTATATACATTACA 552
QY 3253 TATGTAAATGTTGTAAGAGTTAATACAAATCATGTTGACATCTTCACATTAAGTGCCT 3312
DB 551 TATGTAAATGTTGTAAGAGTTAATACAAATCATGTTGACATCTTCACATTAAGTGCCT 492
QY 3313 AAATGAAAGTTAAGTCACTTATTAAGTTTTCAGTTTGGTTTGCATGAGAAAGAGTGA 3372
DB 491 AAATGAAAGTTAAGTCACTTATTAAGTTTTCAGTTTGGTTTGCATGAGAAAGAGTGA 432
QY 3373 AATTGTGATTTTGGTTTGGCTTATAGAAATACAGACATGTTGAGGAAGTGTAGCTTTAT 3432
DB 431 AATTGTGATTTTGGTTTGGCTTATAGAAATACAGACATGTTGAGGAAGTGTAGCTTTAT 372
QY 3433 TTCTGCTTTTTCATAGAGGCGAAGTAGGAACACAGATAGAGATGAAAGGGGCCACTGAA 3492
DB 371 TTCTGCTTTTTCATAGAGGCGAAGTAGGAACACAGATAGAGATGAAAGGGGCCACTGAA 312
QY 3493 AAGTGAATTTGATAGCTCAGCATTTAAGCATGATTACATATTCAGATAGCTCTTTTGGCT 3552
DB 311 AAGTGAATTTGATAGCTCAGCATTTAAGCATGATTACATATTCAGATAGCTCTTTTGGCT 252
QY 3553 ATCTTGTTTCAATGTTTATTAATAAAGCCCTGCTAAATTTAGTAGTAGTGCCTTTCCCTGGT 3612
DB 191 ATCTTGTTTCAATGTTTATTAATAAAGCCCTGCTAAATTTAGTAGTAGTGCCTTTCCCTGGT 132
QY 3613 TGTACAGGTGTACATTTGTAAACCTTCATGCTGTAAATGGAATTTGTTATCTCTTGG 3732
DB 131 TGTACAGGTGTACATTTGTAAACCTTCATGCTGTAAATGGAATTTGTTATCTCTTGG 72
QY 3733 GATACATTTGCAATTTAGTGTACATTTACGCTCCCTGCCCTTTTGACCTGGCAATATAGT 3792
DB 71 GATACATTTGCAATTTAGTGTACATTTACGCTCCCTGCCCTTTTGACCTGGCAATATAGT 12
QY 3793 GTTGATTAATG 3863
DB 11 GTTGATTAATG 1
```

RESULT 8

US-10-113-872-1431/c

; Sequence 1431, Application US/01113472

; Publication No. US20030170255A1

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; GENERAL INFORMATION:
; APPLICANT: Matanabe, Yoshihiro
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kato, Michael D.
; APPLICANT: Seath, Paul R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C19
; CURRENT APPLICATION NUMBER: US/07/113,872
; CURRENT FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 1411
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1431
; LENGTH: 734
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-113-872-1431
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Query Match      13.58; Score 728.6; DB 12; Length 734;
Best Local Similarity 99.68; Pred. No. 8.7e-59;
Matches 728; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3073 AAAGAGTTAAGTTGTTTATTTGATTAATTCAGAACTATCATGCAAAATACAGAGTAAGTAGA 3132
DB 731 AAAGAGTTAAGTTGTTTATTTGATTAATTCAGAACTATCATGCAAAATACAGAGTAAGTAGA 672
QY 3133 CAAGAAATAGAGTGGTTTGAGATGAAAGAACCTAAACATATTTACAGTAGATGCTTTT 3192
DB 671 CAAGAAATAGAGTGGTTTGAGATGAAAGAACCTAAACATATTTACAGTAGATGCTTTT 612
QY 3193 AATACAAATTACTGCCCTAAATGCTCTGGCAATGTACAGAAATATGTATATACATTACA 3252
DB 611 AATACAAATTACTGCCCTAAATGCTCTGGCAATGTACAGAAATATGTATATACATTACA 552
QY 3253 TATGTAAATGTTGTAAGAGTTAATACAAATCATGTTGACATCTTCACATTAAGTGCCT 3312
DB 551 TATGTAAATGTTGTAAGAGTTAATACAAATCATGTTGACATCTTCACATTAAGTGCCT 492
QY 3313 AAATGAAAGTTAAGTCACTTATTAAGTTTTCAGTTTGGTTTGCATGAGAAAGAGTGA 3372
DB 491 AAATGAAAGTTAAGTCACTTATTAAGTTTTCAGTTTGGTTTGCATGAGAAAGAGTGA 432
QY 3373 AATTGTGATTTTGGTTTGGCTTATAGAAATACAGACATGTTGAGGAAGTGTAGCTTTAT 3432
DB 431 AATTGTGATTTTGGTTTGGCTTATAGAAATACAGACATGTTGAGGAAGTGTAGCTTTAT 372
QY 3433 TTCTGCTTTTTCATAGAGGCGAAGTAGGAACACAGATAGAGATGAAAGGGGCCACTGAA 3492
DB 371 TTCTGCTTTTTCATAGAGGCGAAGTAGGAACACAGATAGAGATGAAAGGGGCCACTGAA 312
QY 3493 AAGTGAATTTGATAGCTCAGCATTTAAGCATGATTACATATTCAGATAGCTCTTTTGGCT 3552
DB 311 AAGTGAATTTGATAGCTCAGCATTTAAGCATGATTACATATTCAGATAGCTCTTTTGGCT 252
QY 3553 TTCTGATTAATATATGCAATTTGTGTGTAGTAATAGATGTAAGTTTACACTTGAAGAGGA 3612
DB 251 TTCTGATTAATATATGCAATTTGTGTGTAGTAATAGATGTAAGTTTACACTTGAAGAGGA 192
QY 3613 ATCTTGTTTCAATGTTTATTAATAAAGCCCTGCTAAATTTAGTAGTAGTGCCTTTCCCTGGT 3672
DB 191 ATCTTGTTTCAATGTTTATTAATAAAGCCCTGCTAAATTTAGTAGTAGTGCCTTTCCCTGGT 132
QY 3673 TGTACAGGTGTACATTTGTAAACCTTCATGCTGTAAATGGAATTTGTTATCTCTTGG 3732
DB 131 TGTACAGGTGTACATTTGTAAACCTTCATGCTGTAAATGGAATTTGTTATCTCTTGG 72
QY 3733 GATACATTTGCAATTTAGTGTACATTTACGCTCCCTGCCCTTTTGACCTGGCAATATAGT 3792
DB 71 GATACATTTGCAATTTAGTGTACATTTACGCTCCCTGCCCTTTTGACCTGGCAATATAGT 12
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QY 3793 GTTGTAATAAG 3803

DB |||||
11 GTTGTAATAAG 1

RESULT 9

US-10-017-754-1431/c

/ Sequence 1431, Application US/10017754

/ Publication No. US20030054363A1

/ GENERAL INFORMATION:

/ APPLICANT: Henderson, Robert A.

/ APPLICANT: Wang, Tongtong

/ APPLICANT: Watanabe, Yoshihiro

/ APPLICANT: Johnson, Jeffrey C.

/ APPLICANT: Retter, Marc W.

/ APPLICANT: Karterakis, Margarita

/ APPLICANT: Carter, Derrick

/ APPLICANT: Fanger, Gary R.

/ APPLICANT: Vedvick, Thomas S.

/ APPLICANT: Bangur, Chaitanya S.

/ APPLICANT: McNabb, Andria

/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

/ OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

/ FILE REFERENCE: 210-211,478C18

/ CURRENT APPLICATION NUMBER: US/10/017,754

/ PRIOR FILING DATE: 2001-10-29

/ NUMBER OF SEQ ID NOS: 2504

/ SOFTWARE: FastSeq for Windows Version 4.0

/ SEQ ID NO 1431

/ LENGTH: 734

/ TYPE: DNA

/ ORGANISM: Homo sapiens

US-10-017-754-1431

Query Match 13.5%; Score 728.6; DB 14; Length 734;

Best Local Similarity 99.6%; Pred. No. 8,7e-159;

Matches 728; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3073 AAGAGTTAAGTGTATTTGTAATTCACAACTATCATCGAAATAAGAGTAAGTAGA 3132

DB |||||

731 AAGAGTTAAGTGTATTTGTAATTCACAACTATCATCGAAATAAGAGTAAGTAGA 672

QY |||||

3133 CAAGATAAAGTGGTTTGAGATCAAAAGAACCTTAACATTATTTACAGTAGATGGTGT 3192

DB |||||

671 CAGATATAAGTGGTTTGAGATCAAAAGAACCTTAACATTATTTACAGTAGATGGTGT 612

QY |||||

3193 AATACAAATTAAGTCCCTAAATATCTCTGGCAATGTACAGAAATATTTATATTAC 3252

DB |||||

611 AATACAAATTAAGTCCCTAAATATCTCTGGCAATGTACAGAAATATTTATATTAC 552

QY |||||

3253 TAGTAATTGTTGTAGAGTAAATACAAATCATGGTGCACATTCGAAATTAAGTGCAT 3312

DB |||||

551 TAGTAATTGTTGTAGAGTAAATACAAATCATGGTGCACATTCGAAATTAAGTGCAT 492

QY |||||

3313 AATGAAAGTAAAGTCACTTATTAACCTTTTCAGTTTGGTTTCCAAATGAGAAAGTGG 3372

DB |||||

491 AATGAAAGTAAAGTCACTTATTAACCTTTTCAGTTTGGTTTCCAAATGAGAAAGTGG 432

QY |||||

3373 AATTTGATTTTGGTTTATAGAAATACAGACATTTGAGGAAGTGTAGAGTTAT 3432

DB |||||

431 AATTTGATTTTGGTTTATAGAAATACAGACATTTGAGGAAGTGTAGAGTTAT 372

QY |||||

3433 TTGTCTTTTCATAGAGGCAAGTAGGACAGATAGATGAAAGGGCCACTGAA 3492

DB |||||

371 TTGTCTTTTCATAGAGGCAAGTAGGACAGATAGATGAAAGGGCCACTGAA 312

QY |||||

3493 AAGTGAATTTGATAGTCACTTTTAAGCATGATTACATTCAGATAGCTCTTTTGT 3552

DB |||||

311 AAGTGAATTTGATAGTCACTTTTAAGCATGATTACATTCAGATAGCTCTTTTGT 252

QY |||||

3553 TTCTATAAATATATGCAATGTGTGTAGTAATATAGATGTAAGTTTACACTTTGAAAGGAA 3612

DB |||||

251 TTCTATAAATATATGCAATGTGTGTAGTAATATAGATGTAAGTTTACACTTTGAAAGGAA 192

QY 3613 ATCTGTTCBAATCTTTATATATAAGGCTTGTCTTAATTTAGTAGTGATGCTTTCCTGGT 3672

DB |||||

191 ATCTGTTCBAATCTTTATATATAAGGCTTGTCTTAATTTAGTAGTGATGCTTTCCTGGT 132

QY |||||

3673 TGTACAGGTGTACATTTCTAAACCTTCATGCTGTAATAAGAAATTTGTTTATCTCTTTGG 3732

DB |||||

131 TGTACAGGTGTACATTTCTAAACCTTCATGCTGTAATAAGAAATTTGTTTATCTCTTTGG 72

QY |||||

3733 CATACATTTGCAATTTTAGTGTACATTTAGTCCCTGCTTGTGACCTGGCAATATAGT 3792

DB |||||

71 CATACATTTGCAATTTTAGTGTACATTTAGTCCCTGCTTGTGACCTGGCAATATAGT 12

QY |||||

3793 GTTGTATAATG 3803

DB |||||

11 GTTGTATAATG 1

RESULT 10

US-09-930-213-163/c

/ Sequence 163, Application US/0993213

/ Publication No. US20030178625A1

/ GENERAL INFORMATION:

/ APPLICANT: ROSENTHAL, ANDRE

/ APPLICANT: HINZVANN, BERND

/ APPLICANT: SCHAFER, REINHARD

/ APPLICANT: ZUBER, JOHANNES

/ APPLICANT: TCHÉ-NITSE, OLÉG

/ APPLICANT: GRIPS, MARTIN

/ APPLICANT: HELMKEGEL, MARTIN

/ APPLICANT: SCHMITZ, ANNE-CHANTAL

/ APPLICANT: SERS, CHRISTINE

/ TITLE OF INVENTION: DETECTION OF DIFFERENTIAL GENE EXPRESSIONS

/ FILE REFERENCE: ALBRE-14

/ CURRENT APPLICATION NUMBER: US/09/930,213

/ PRIOR FILING DATE: 2001-01-31

/ PRIOR APPLICATION NUMBER: DE 10204102.7

/ PRIOR FILING DATE: 2000-01-31

/ NUMBER OF SEQ ID NOS: 865

/ SOFTWARE: PatentIn ver. 2.1

/ SEQ ID NO 163

/ LENGTH: 491

/ TYPE: DNA

/ ORGANISM: Homo sapiens

US-09-930-213-163

Query Match 9.1%; Score 490; DB 12; Length 491;

Best Local Similarity 100.0%; Pred. No. 1.9e-103;

Matches 490; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3736 ATATAGTGTGTATTAATGTAATTTATTTCTCCAAATCGAGAGTGAATTTTAAAAATTT 3845

DB |||||

431 ATATAGTGTGTATTAATGTAATTTATTTCTCCAAATCGAGAGTGAATTTTAAAAATTT 432

QY |||||

3846 TTATCTTTTATATGGTTTCAGAGTATGAACACAGCTTTCTTTTATTTATCTGAGATCAT 3905

DB |||||

431 TTATCTTTTATATGGTTTCAGAGTATGAACACAGCTTTCTTTTATTTATCTGAGATCAT 372

QY |||||

3906 TTGTCTTTTATTAACATAGTTGTGACTGTTTAAATATGAGACCTGCTAGAAATTTGATCACTTT 3965

DB |||||

371 TTGTCTTTTATTAACATAGTTGTGACTGTTTAAATATGAGACCTGCTAGAAATTTGATCACTTT 312

QY |||||

3966 CAATTGAAGTCAGGGTATTTGTCATTAATAGAACTATTGAGTCTGAGATATTTTGTACCA 4025

DB |||||

311 CAATTGAAGTCAGGGTATTTGTCATTAATAGAACTATTGAGTCTGAGATATTTTGTACCA 252

QY |||||

4026 TGGAGGCGCAATGCTTTTTCATCTTATTAATGTGATGCTACTTTTCTTTTGTACAGAA 4085

DB |||||

251 TGGAGGCGCAATGCTTTTTCATCTTATTAATGTGATGCTACTTTTCTTTTGTACAGAA 192

QY |||||

4086 GAGTACTGTATTTTGTGAATAGCTTACTCCCAAGTAAGAGCAATCTGTATGATAACATTT 4145

DB |||||

191 GAGTACTGTATTTTGTGAATAGCTTACTCCCAAGTAAGAGCAATCTGTATGATAACATTT 132

; CURRENT FILING DATE: 2001-07-30
 ; PRIOR APPLICATION NUMBER: US/09/235,076
 ; PRIOR FILING DATE: 1999-01-20
 ; NUMBER OF SEQ ID NOS: 38054
 ; SOFTWARE: FastSeq for Windows Version: 3.0
 ; SEQ ID NO 9931
 ; LENGTH: 470
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-918-995-9931

Query Match:	7.7%	Score 416;	DB 11;	Length 470;
Best Local Similarity	98.6%	Pred. No. 3e-86;		
Matches 432;	Conservative 0;	Mismatches 0;	Indels 6;	Gaps 1;

QY	1523	CTTCAGCTTAGAGACTTGATTGGACATATAGTTGAGCTTTTCTCAAGACCCAGCATGGTTCT	1582
Db	33	CTTCAGCTTAGAGACTTGATTGGACATATAGTTGAGCTTTTCTCAAGACCCAGCATGGTTCT	92
QY	1583	AGATTCTCATACAGCAAAACTAGAGAGAGCTATCCAGCTGAGCGCAGACAGATGGTATTAAAT	1642
Db	93	AGATTCTCATACAGCAAAACTAGAGAGAGCTATCCAGCTGAGCGCAGACAGATGGTATTAAAT	152
QY	1643	GAATTTCTCAAGCAGCCTATCAATTAATGACTGATGTTTGGGCACTATGTTATACAG	1702
Db	153	GAATTTCTCAAGCAGCCTATCAATTAATGACTGATGTTTGGGCACTATGTTATACAG	212
QY	1703	AAGTTTTTGGAGTTGGGAGCTGGGATCAAAAATAGCCCTGGCTACTGTTATTCGTGCT	1762
Db	213	AAGTTTTTGGAGTTGGGAGCTGGGATCAAAAATAGCCCTGGCTACTGTTATTCGTGCT	272
QY	1763	CATGTTCTACCCCTAGCCTTGCAGATGATGGCTGGCGGCTTATTCAGAAACATTAGAA	1822
Db	273	CATGTTCTACCCCTAGCCTTGCAGATGATGGCTGGCGGCTTATTCAGAAACATTAGAA	332
QY	1823	TCTATTCTCTCAGCAGCAG-----AGTGAATGGTAAAGGAGCTGGATGTCAGCTG	1876
Db	333	TCTATTCTCTCAGCAGCAGAGGTAATTAGTGAATGGTAAAGGAGCTGGATGTCAGCTG	392
QY	1877	CTCAATGTGTGAAGATCAGAAATGGAACCATGTTGTACAAAATGTATCGAATGTGT	1936
Db	393	CTCAATGTGTGAAGATCAGAAATGGAACCATGTTGTACAAAATGTATCGAATGTGT	452
QY	1937	CAGCCACAGTCACTACAG	1954
Db	453	CAGCCACAGTCACTACAG	470

Search completed: October 16, 2003, 15:01:32
 Job time : 1287 secs